

FIG. 1A

gggcaggaagacggcgctgcccggaggagc																				-153
ggggcgggcgggcgcgcgggggagcgggcgggcgggcgggagccagggccggcgggggcgggggcgggcgggggccag																				-77
aagaggcgggcgggccgcgctccggccggtctgcggcggttgcccttggtttggtttggcgggcgggcggtggagaag																				-1
ATG	CTG	CAG	TCC	CTG	GCC	GGC	AGC	TCG	TGC	GTG	CGC	CTG	GTG	GAG	CGG	CAC	CGC	TCG		57
M	L	Q	S	L	A	G	S	S	C	V	R	L	V	E	R	H	R	S		19
GCC	TGG	TGC	TTC	GGC	TTC	CTG	GTG	CTG	GGC	TAC	TTG	CTC	TAC	CTG	GTC	TTC	GGC	GCA		114
A	W	C	F	G	F	L	V	L	G	Y	L	L	Y	L	V	F	G	A		38
GTG	GTC	TTC	TCC	TCG	GTG	GAG	CTG	CCC	TAT	GAG	GAC	CTG	CTG	CGC	CAG	GAG	CTG	CGC		171
V	V	F	S	S	V	E	L	P	Y	E	D	L	L	R	Q	E	L	R		57
AAG	CTG	AAG	CGA	CGC	TTC	TTG	GAG	GAG	CAC	GAG	TGC	CTG	TCT	GAG	CAG	CAG	CTG	GAG		228
K	L	K	R	R	F	L	E	E	H	E	C	L	S	E	Q	Q	L	E		76
CAG	TTC	CTG	GGC	CGG	GTG	CTG	GAG	GCC	AGC	AAC	TAC	GGC	GTG	TCG	GTG	CTC	AGC	AAC		285
Q	F	L	G	R	V	L	E	A	S	N	Y	G	V	S	V	L	S	N		95
GCC	TCG	GGC	AAC	TGG	AAC	TGG	GAC	TTC	ACC	TCC	GCG	CTC	TTC	TTC	GCC	AGC	ACC	GTG		342
A	S	G	N	W	N	W	D	F	T	S	A	L	F	F	A	S	T	V		114
CTC	TCC	ACC	ACA	GGT	TAT	GGC	CAC	ACC	GTG	CCC	TTG	TCA	GAT	GGA	GGT	AAG	GCC	TTC		399
L	S	T	T	G	Y	G	H	T	V	P	L	S	D	G	G	K	A	F		133
TGC	ATC	ATC	TAC	TCC	GTC	ATT	GGC	ATT	CCC	TTC	ACC	CTC	CTG	TTC	CTG	ACG	GCT	GTG		456
C	I	I	Y	S	V	I	G	I	P	F	T	L	L	F	L	T	A	V		152
GTC	CAG	CGC	ATC	ACC	GTG	CAC	GTC	ACC	CGC	AGG	CCG	GTC	CTC	TAC	TTC	CAC	ATC	CGC		513
V	Q	R	I	T	V	H	V	T	R	R	P	V	L	Y	F	H	I	R		171
TGG	GGC	TTC	TCC	AAG	CAG	GTG	GTG	GCC	ATC	GTC	CAT	GCC	GTG	CTC	CTT	GGG	TTT	GTG		570
W	G	F	S	K	Q	V	V	A	I	V	H	A	V	L	L	G	F	V		190
ACT	GTG	TCC	TGC	TTC	TTC	TTC	ATC	CCG	GCC	GCT	GTC	TTC	TCA	GTC	CTG	GAG	GAT	GAC		627
T	V	S	C	F	F	F	I	P	A	A	V	F	S	V	L	E	D	D		209

FIG. 1B-1

TGG AAC TTC CTG GAA TCC TTT TAT TTT TGT TTT ATT TCC CTG AGC ACC ATT GGC CTG	684
W N F L E S F Y F C F I S L S T I G L	228
GGG GAT TAT GTG CCT GGG GAA GGC TAC AAT CAA AAA TTC AGA GAG CTC TAT AAG ATT	741
G D Y V P G E G Y N Q K F R E L Y K I	247
GGG ATC ACG TGT TAC CTG CTA CTT GGC CTT ATT GCC ATG TTG GTA GTT CTG GAA ACC	798
G I T C Y L L L G L I A M L V V L E T	266
TTC TGT GAA CTC CAT GAG CTG AAA AAA TTC AGA AAA ATG TTC TAT GTG AAG AAG GAC	855
F C E L H E L K K F R K M F Y V K K D	285
AAG GAC GAG GAT CAG GTG CAC ATC ATA GAG CAT GAC CAA CTG TCC TTC TCC TCG ATC	912
K D E D Q V H I I E H D Q L S F S S I	304
ACA GAC CAG GCA GCT GGC ATG AAA GAG GAC CAG AAG CAA AAT GAG CCT TTT GTG GCC	969
T D Q A A G M K E D Q K Q N E P F V A	323
ACC CAG TCA TCT GCC TGC GTG GAT GGC CCT GCA AAC CAT TGA gcgtaggatttggtgcatt	1030
T Q S S A C V D G P A N H *	337
atgctagagcaccaggggtcaggggtgcaaggaagaggcttaagtatgttcatttttatcagaatgcaaaagcgaaaa	1106
ttatgtcactttaagaaatagctactgtttgcaatgtcttattaaaaacaacaaaaaagacacatggaacaaag	1182
aagctgtgacccagcaggatgtctaataatgtgaggaaatgagatgtccacctaataatcatatgtgacaaaatta	1258
tctcgaccttacataggaggagaataacttgaagcagtatgctgctgtggttagaagcagattttataacttttaact	1334
ggaaactttggggtttgcatttagatcatttagctgatggctaaatagcaaaatttatatttagaagcaaaaaaaa	1410
aaagcatagagatgtgttttataaataggtttatgtgtactggtttgcatgtacccacccaaaatgattatttttg	1486
gagaatctaagtcaaactcactatttataatgcataggtaaccattaactatgtacatataaagtataaatatgtt	1562
tatattctgtacatatggttttaggtcaccagatcctagtgtagttctgaaactaagactatagatattttgtttct	1638
tttgatttctctttataactaaagaatccagagttgctacaataaaataaggggaataataaaaaaaaaaaaaa	1712

FIG. 1B-2

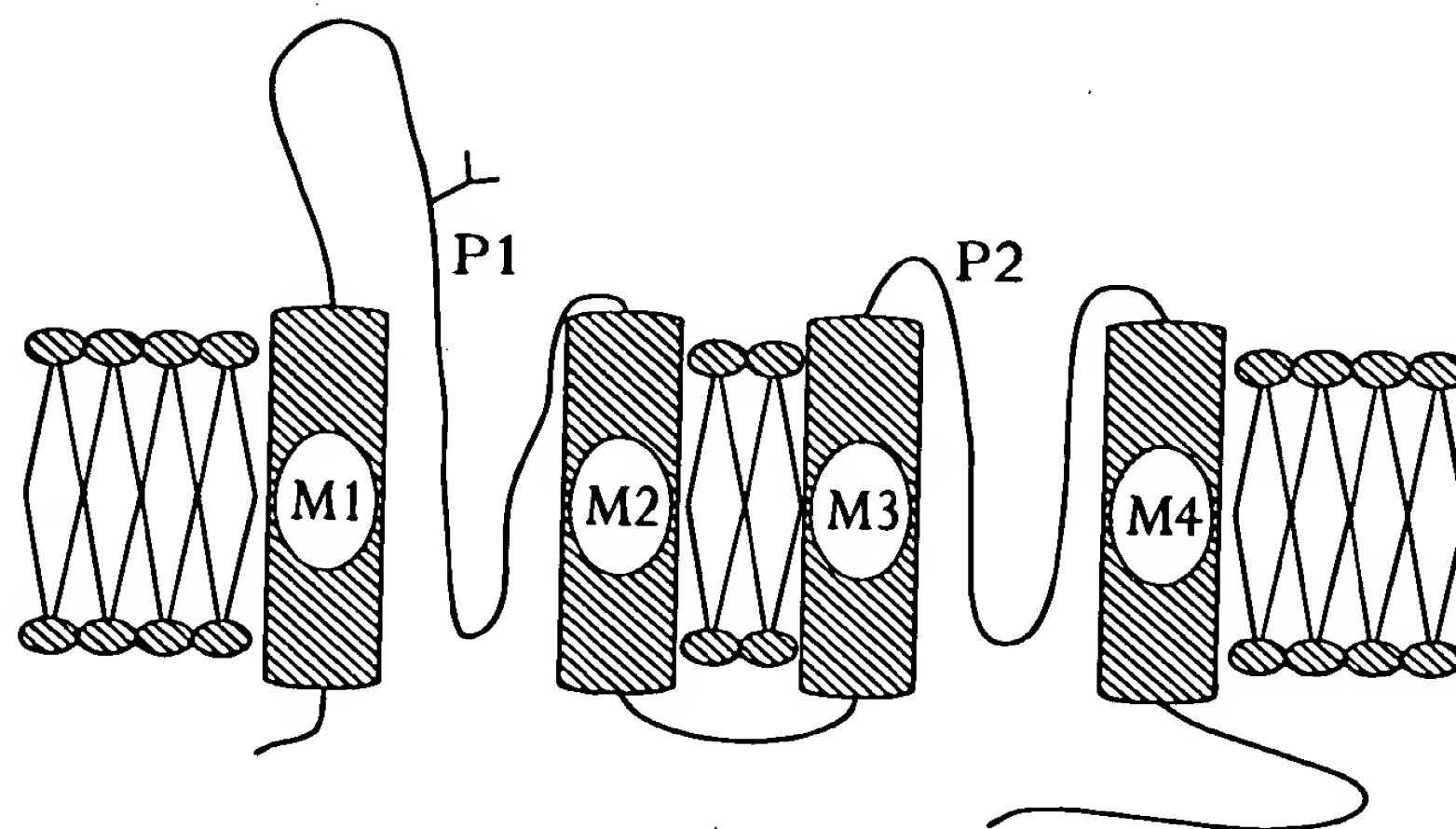
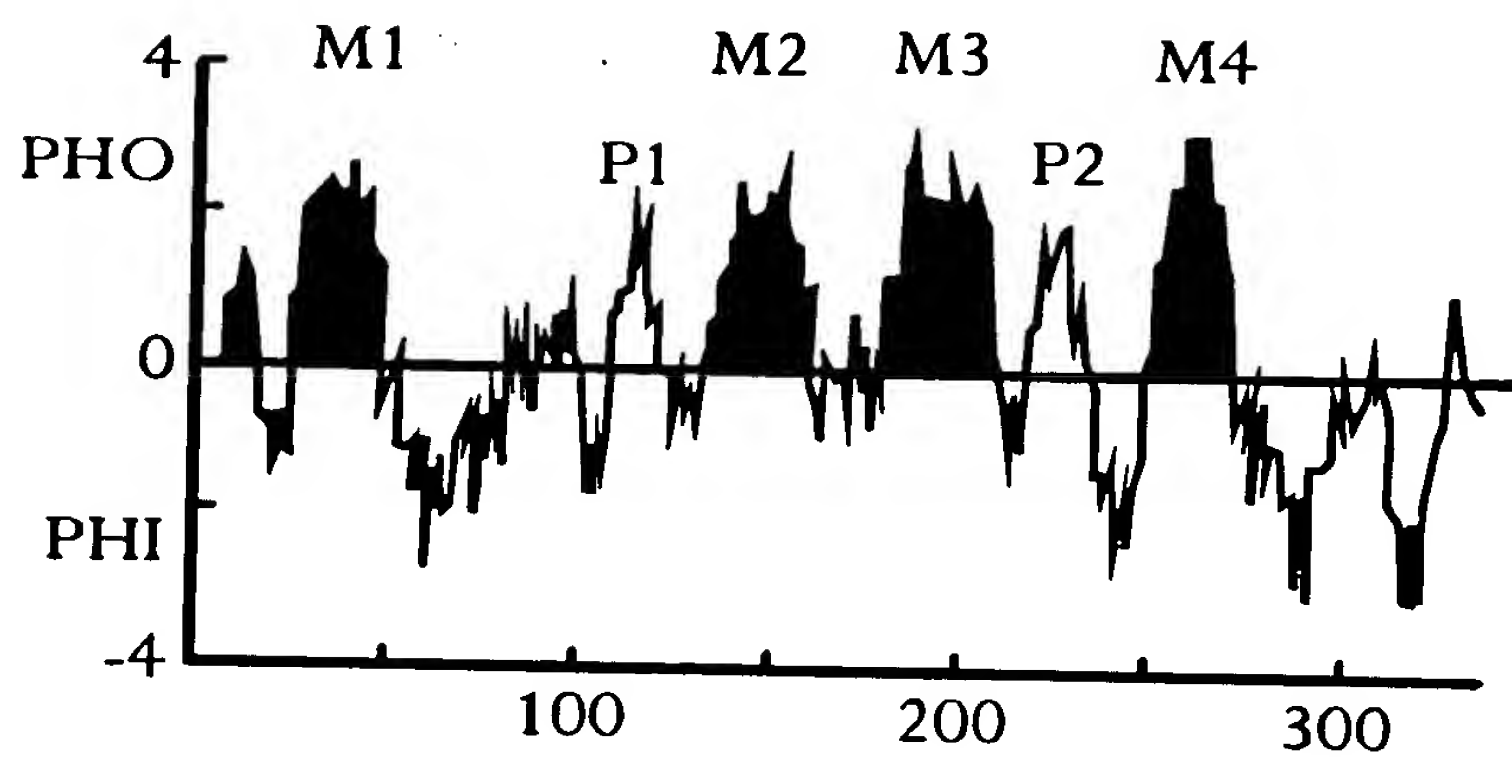


FIG. 1C

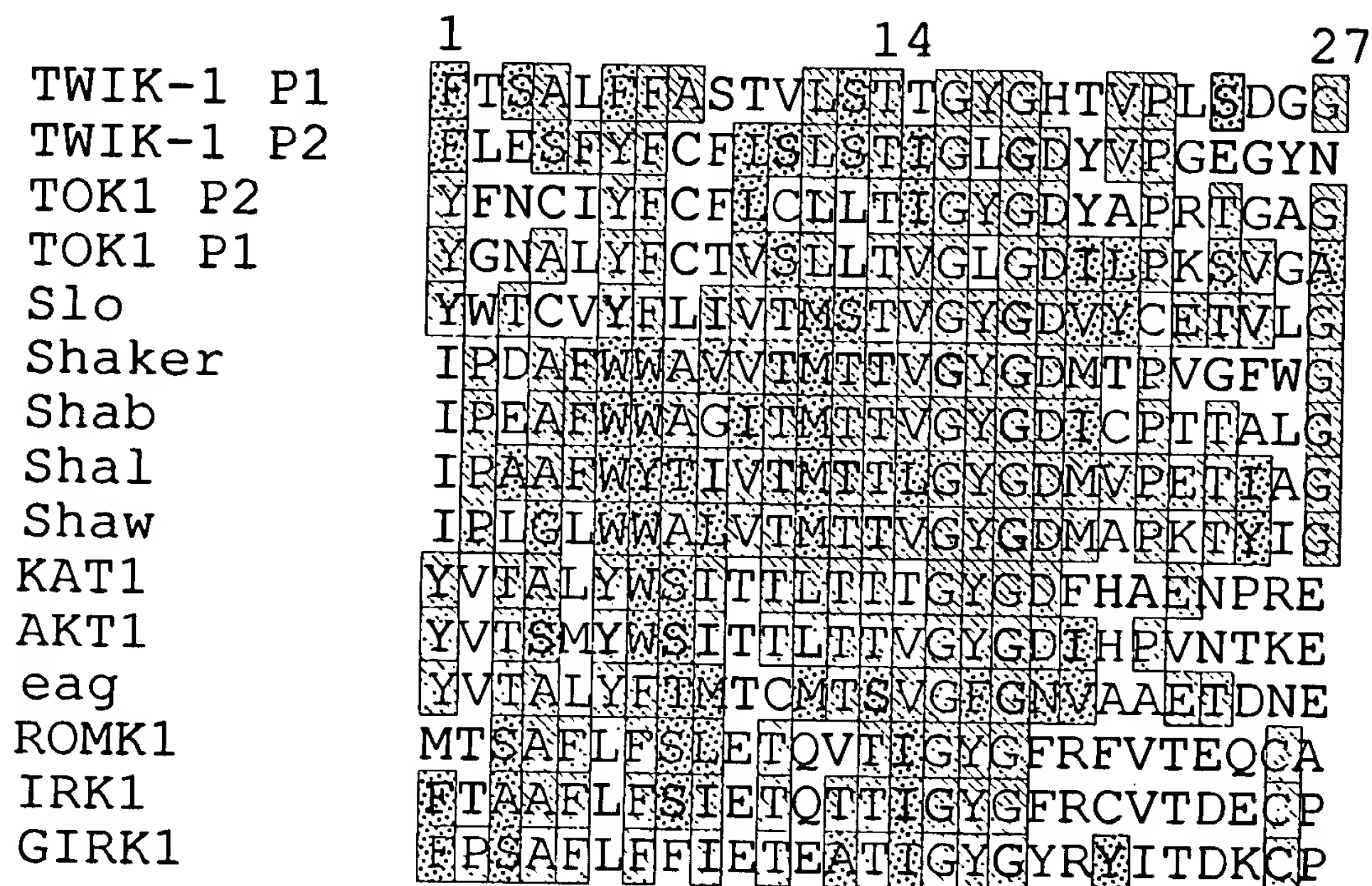


FIG. 2A

TWIK-1	1	M L Q S E A G S S C V R E V E ----- R H R E A W C F -- G ----- L V L G Y
f17c8	1	M Y T D E G E Y S G D T D H G S T M Q K M S P N T R O N F R O N V N V V V C I S A A T L --
M110-2	1	M T V S M E E N S K I O M S A T S K D K K V A T D R S L L N K Y H L G P L A L H T G L V L S C
TWIK-1	31	L E Y L V F G A V V F S S V E L P Y E D L L R O E ----- L R K L K R R E L E E H E C --- L
f17c8	47	L V E N L I G A G F ----- Y L A E T O N S S E S
M110-2	49	V T Y A L G G A Y E F L S E H P E E L K R R E K A I R E F O D I K Q O F M G N I T S G I E N
TWIK-1	71	S E Q O E E O F L G R V L ----- E A E N Y G V S V D S N A S G N W N W -- D A T S A L F
f17c8	69	L N E N S E V -- S K C L H N L P I G G K I T A E M K S K I G K C I T K S S R I D G F G K A I F
M110-2	96	S E Q S E E Y T K K E L M L E D A H N A H A F E Y F F L N E E L P K D M W -- T F S S A I V
		P1
TWIK-1	110	F A S T V E S T I G Y G H T V P E S D G G K A F C I L - Y S V G I P F T L F L T A V V O R I
f17c8	115	F S W T E Y S T V G Y G S E P H S T L G R Y E T F E - Y S E L M I P V F F A E K F E F G T F L
M110-2	142	F E L T T V I P V G Y G Y E P V S A Y G R - M C L L A Y A L L G I P E T L V T M A D T G K E A
TWIK-1	157	T V H --- V T R R P V L ----- Y E H R W G E S K O V V A L V H A V L L G E V T V S C F F
f17c8	162	A H F L V V E N R T R L A V K K A Y K E S - Q N P E N A E T P S N S E Q H D Y I F L S S I
M110-2	189	A Q L --- V T R ----- W F G D N N M A I P A A F F V ----- C I L
		P2
TWIK-1	197	F L P A A V F S --- V L - E D D W N E L E S F Y C F L S E S T I G E G D Y V R G E G Y N
f17c8	209	L E C S E S L S S A F E S S I E N I S Y L S S Y K R G E N T M E L I G E G D I V P T N ---
M110-2	213	F A Y P E A V G F --- L C S T S N I Y L D S V Y F S I T S E F T I G F G D L T P -----
TWIK-1	239	Q K F R E Y K I G E C Y L E L G L I A M E V V L E T F C ----- E E H E L K K E R -----
f17c8	254	----- E V W F S G Y C M L F L I S D V A S N O F Y F C Q A R V R Y F F H I A R K I L
M110-2	253	----- D M N V L H M V L E L A V G V L V T E E D I V A --- A E M I D R V H Y M G R H Y G
TWIK-1	278	----- K M E Y V K K D K E D O V H I E H D O L --- S F S S E T D O A A G M K E D
f17c8	295	L L E E - E D D G F O L E T T V S E O H E P I N S Q C M P S L --- V L D C E K E E L O N D
M110-2	294	K A K E L A G K M F O L A Q S E N K K O G L V S G V G O L H A L A R F G M L V G R E E V D K T O
TWIK-1	315	Q K O N E P F V A T ----- Q S S A C V D G P A N H ---
f17c8	338	E K L I S S L E S T -----
M110-2	342	E D G I I A F S P D V M D G L E F M D T L S I Y S R R S R R S A E N S A R N L F L S

FIG. 2B

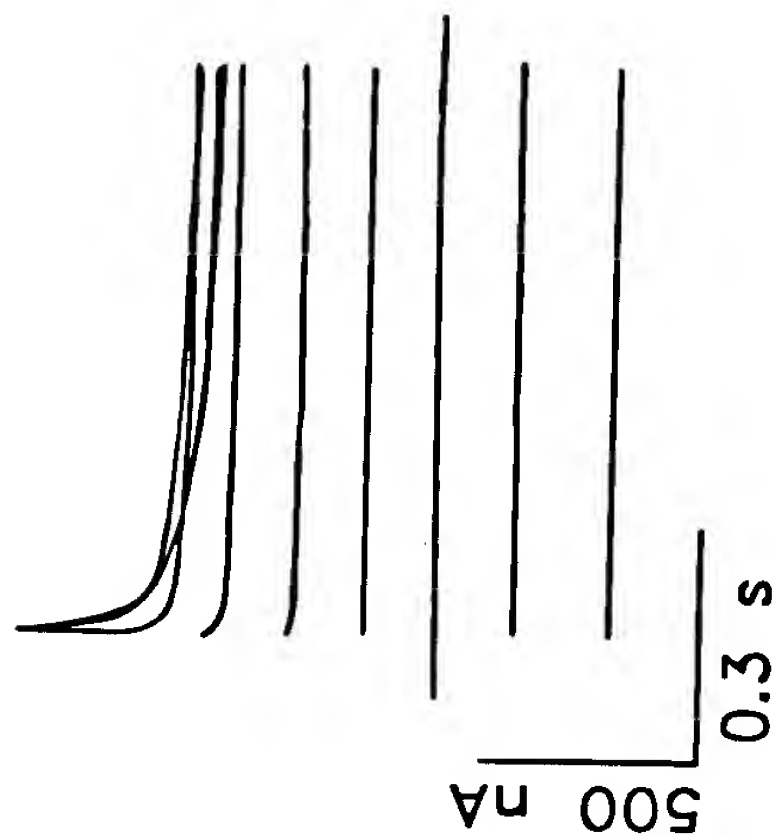


FIG. 3A

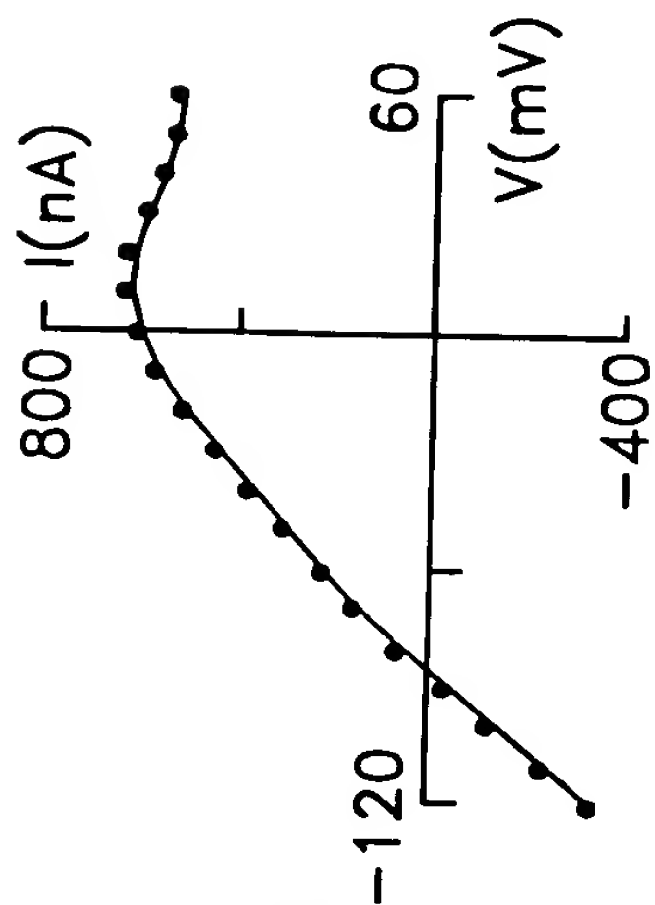


FIG. 3B

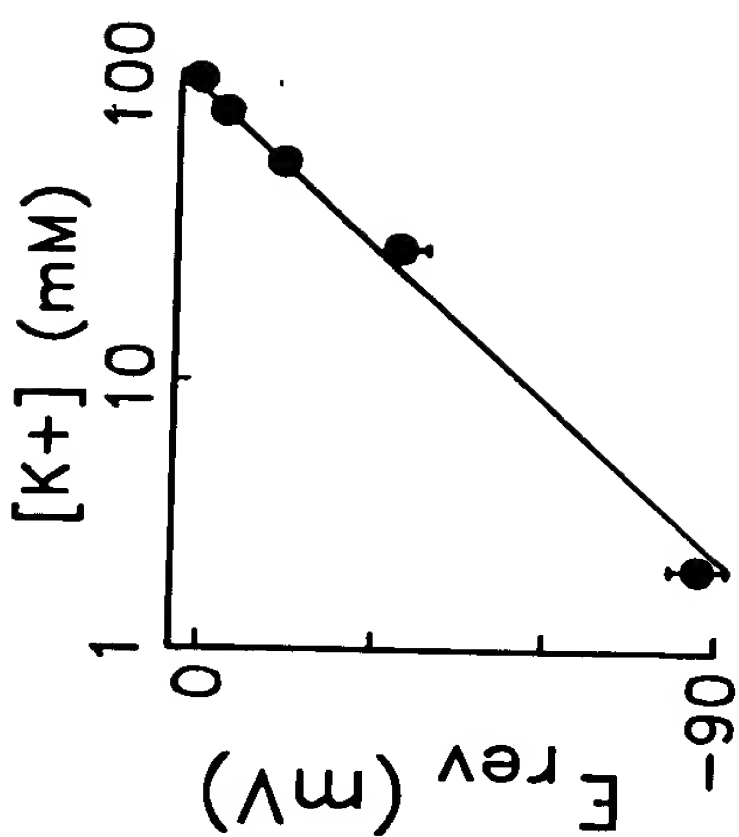


FIG. 3C

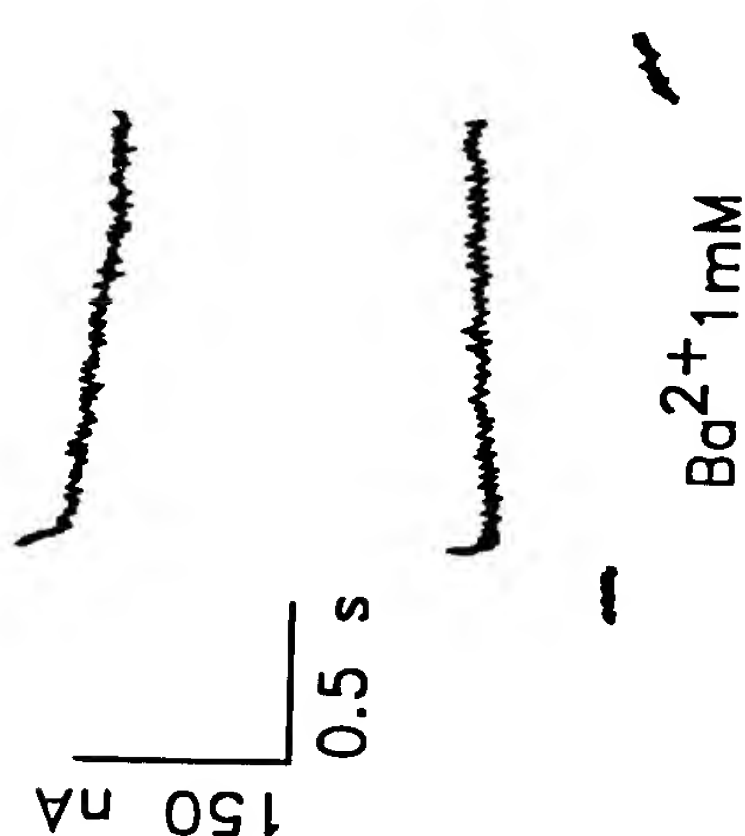


FIG. 3D

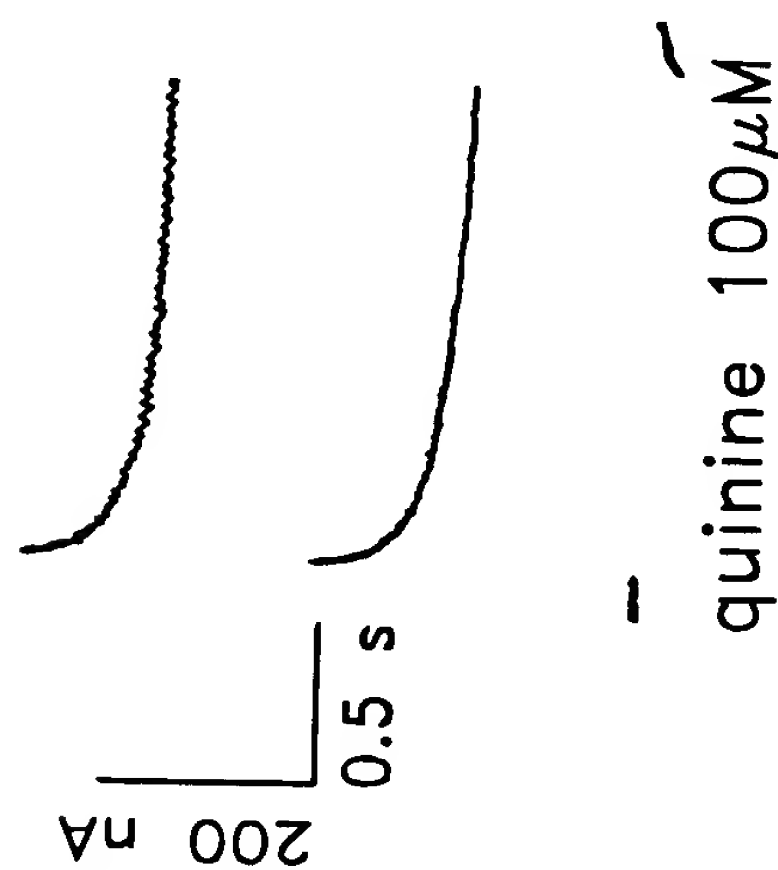


FIG. 3E

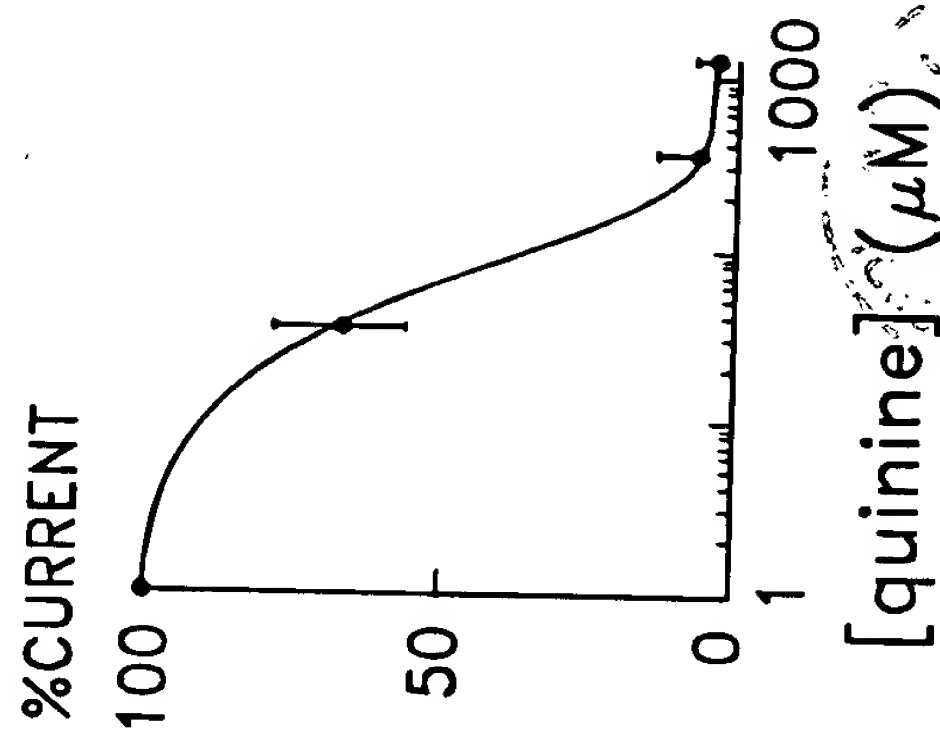


FIG. 3F

FIG. 4A

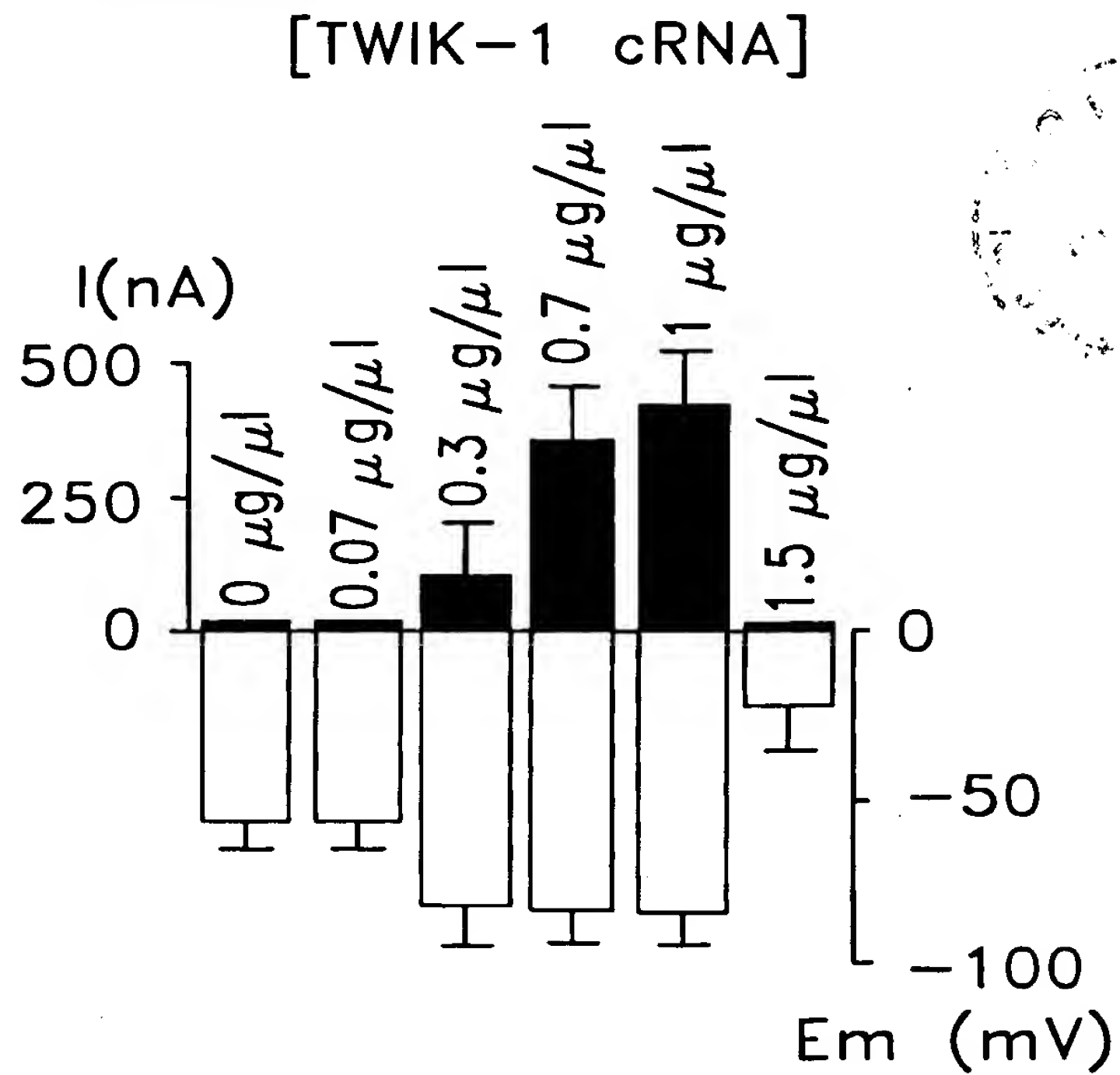


FIG. 4B

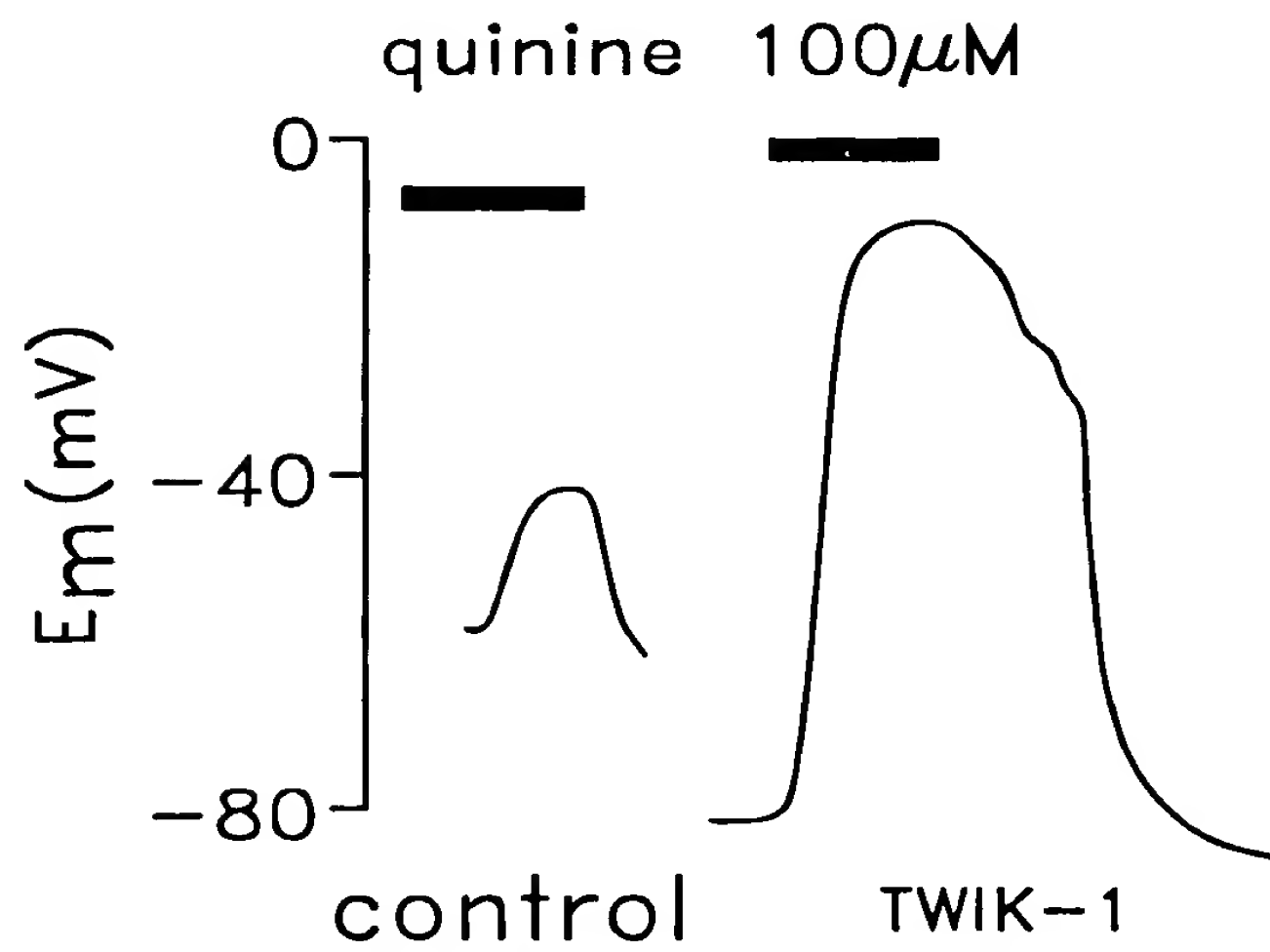
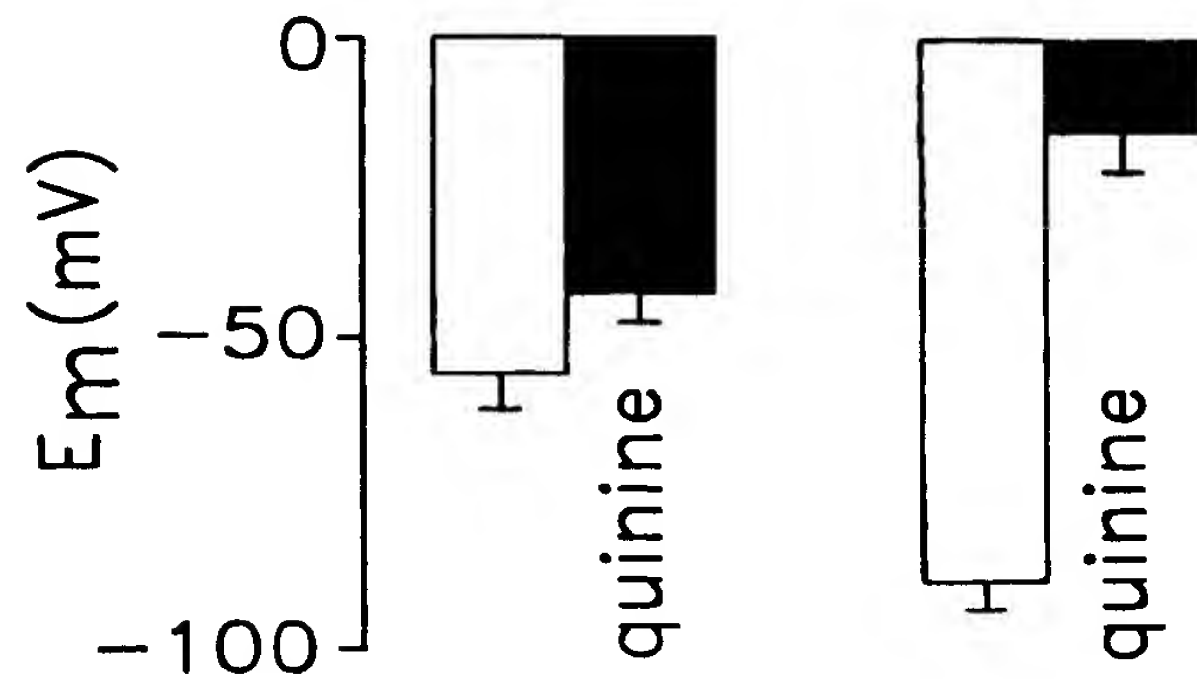


FIG. 4C



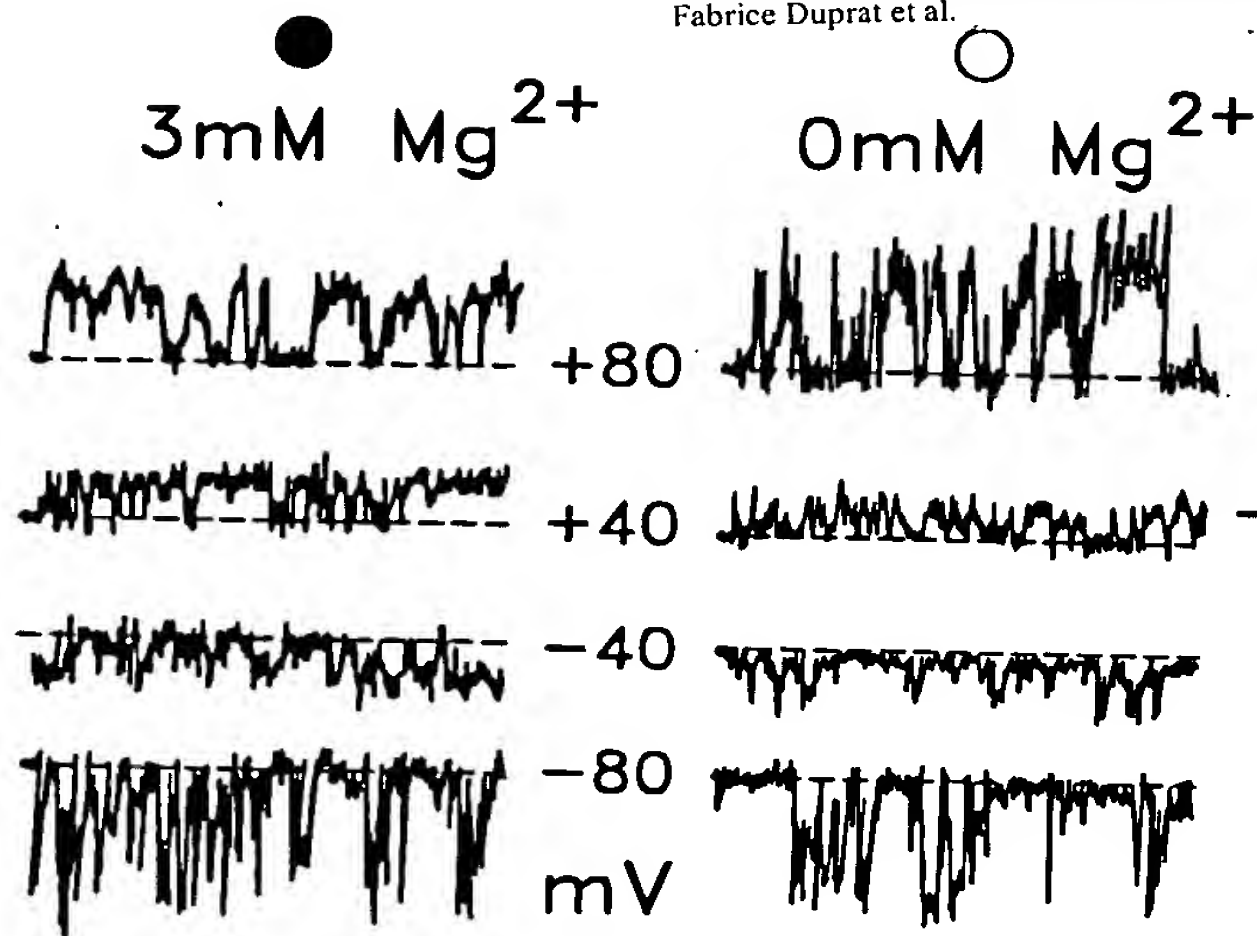


FIG. 5A

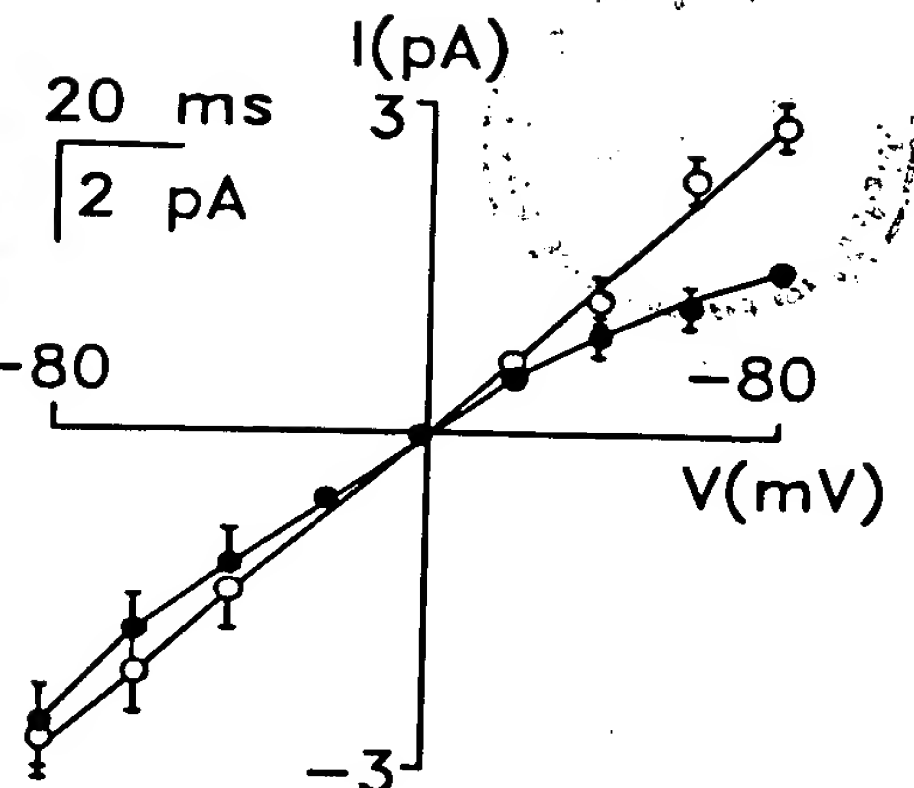


FIG. 5B

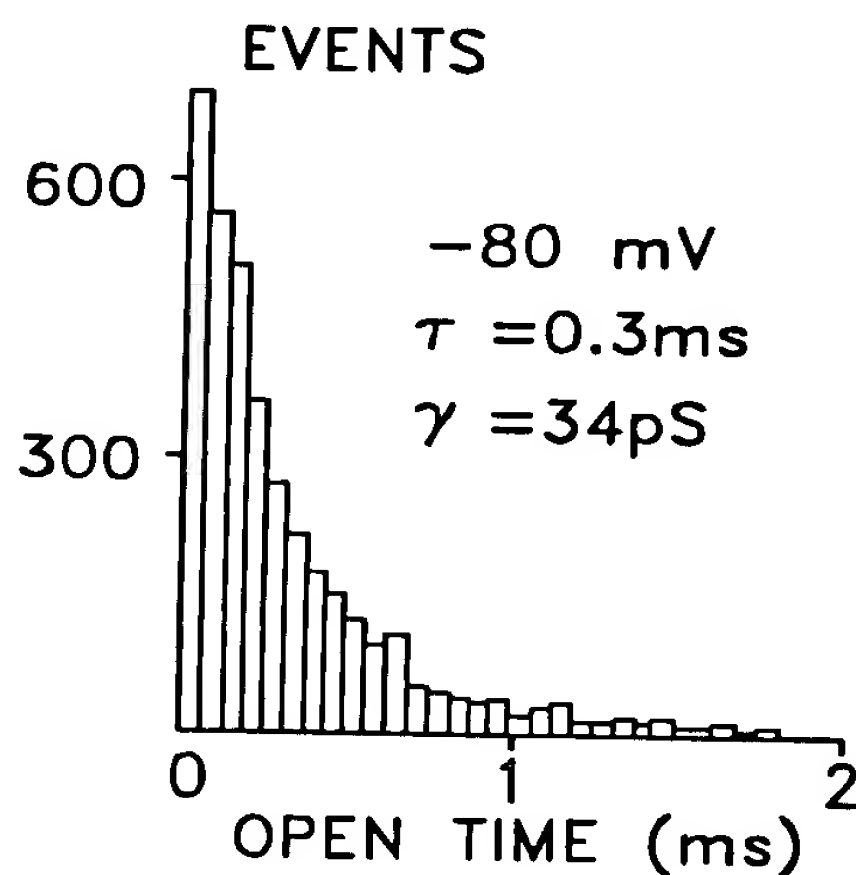
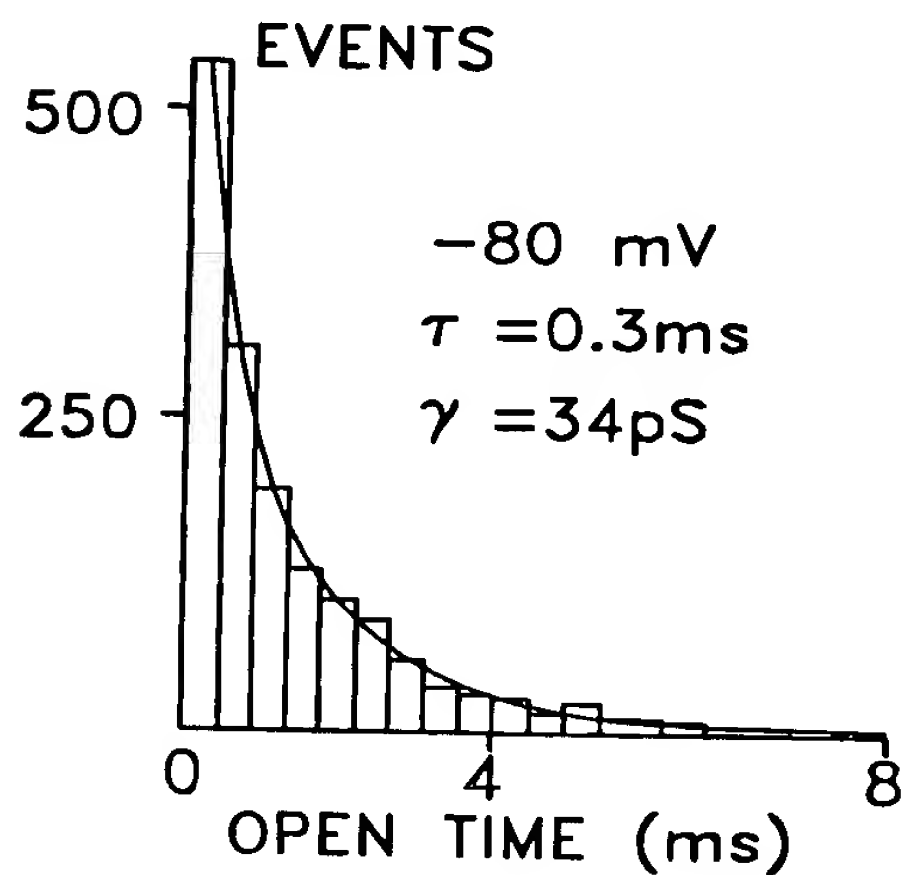
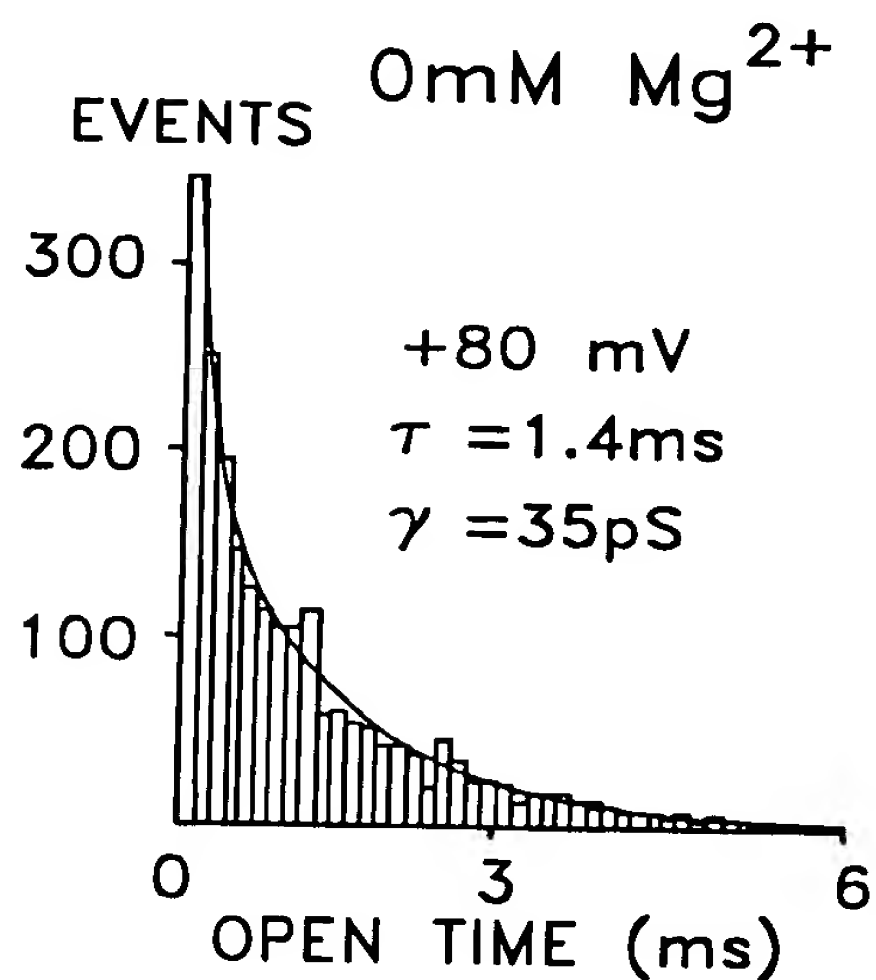
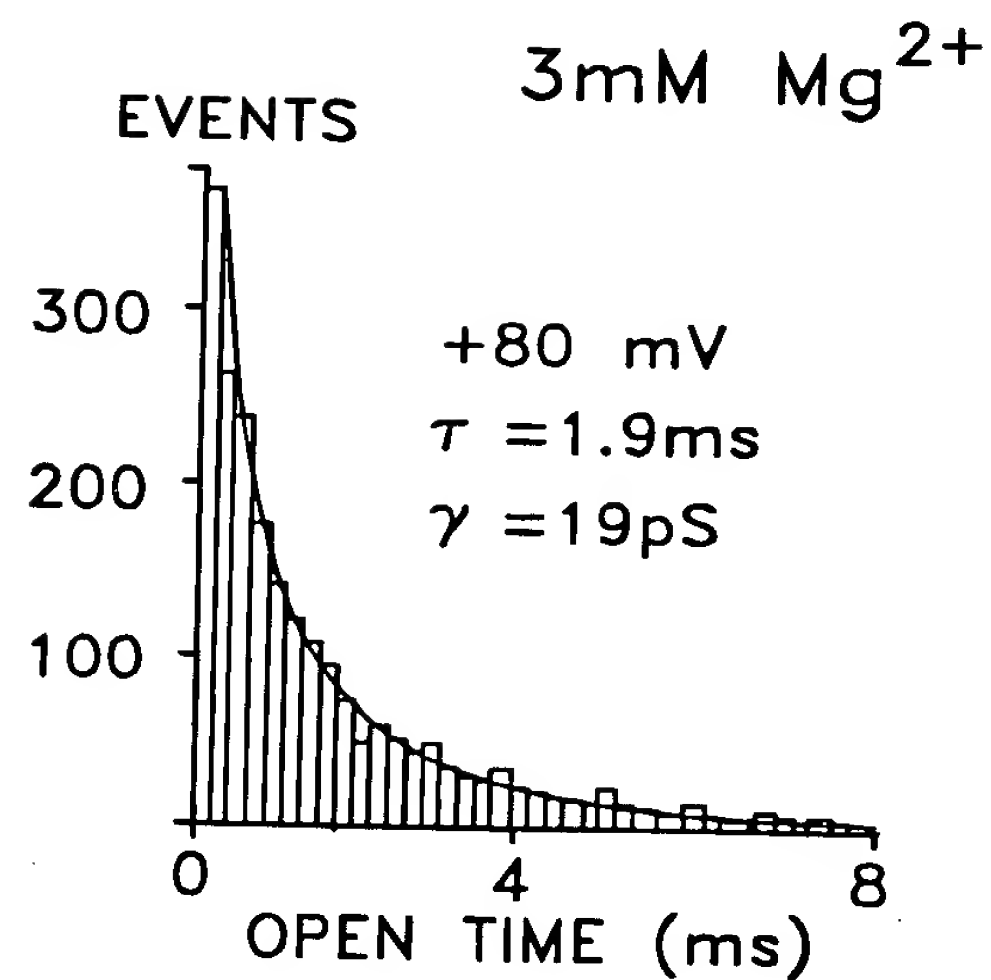


FIG. 5C

FIG. 5D

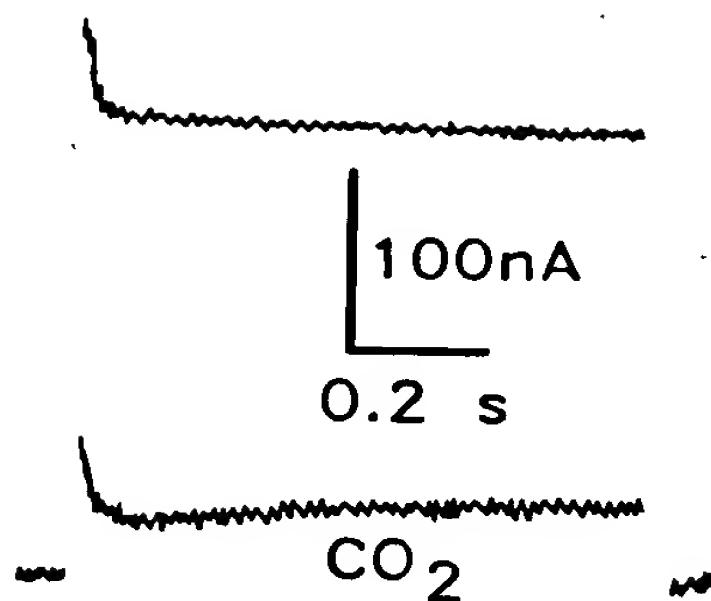


FIG. 6A

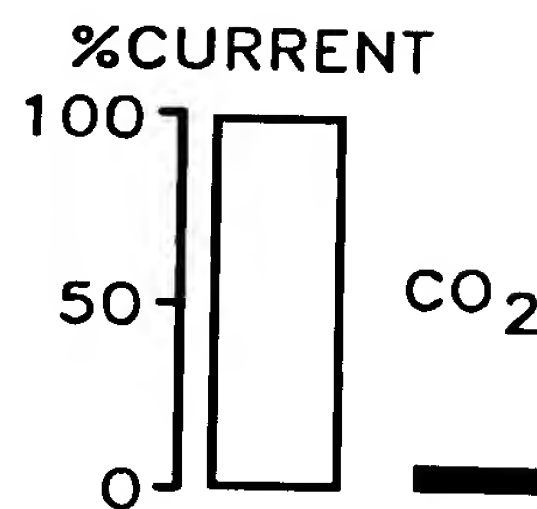


FIG. 6B

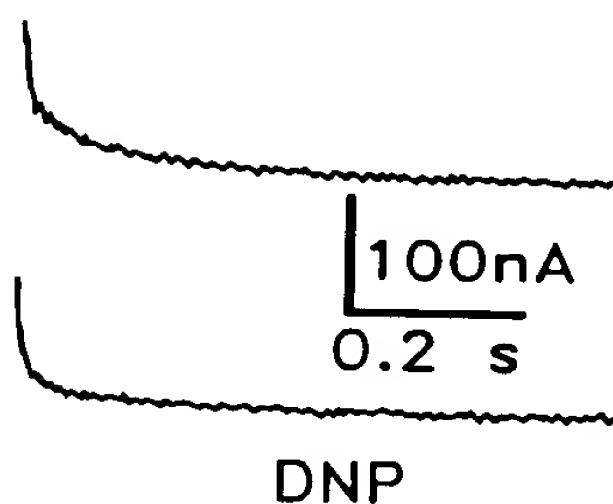


FIG. 6C

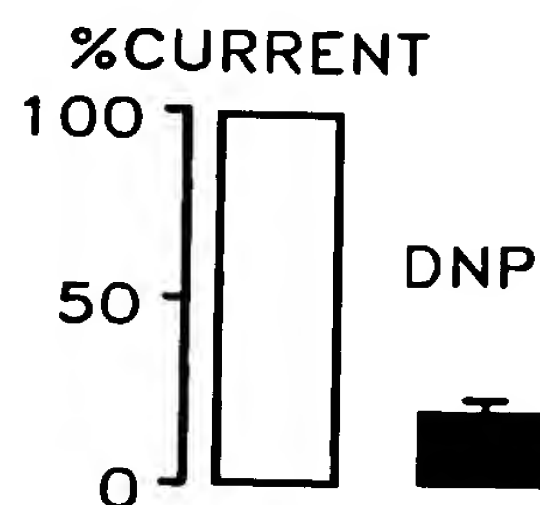


FIG. 6D

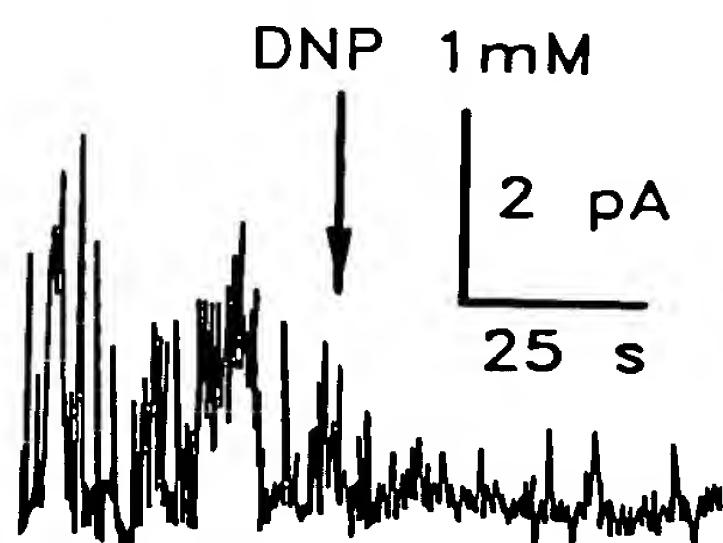


FIG. 6E

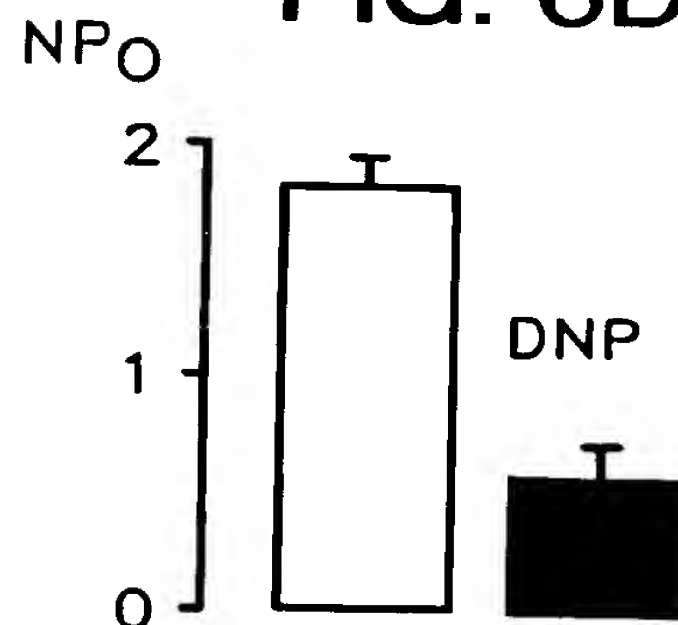


FIG. 6F

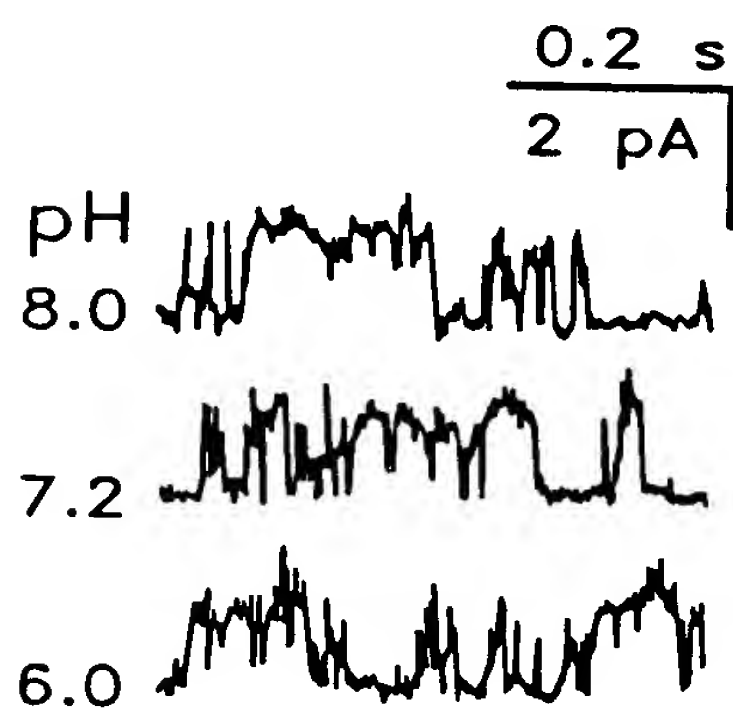


FIG. 6G

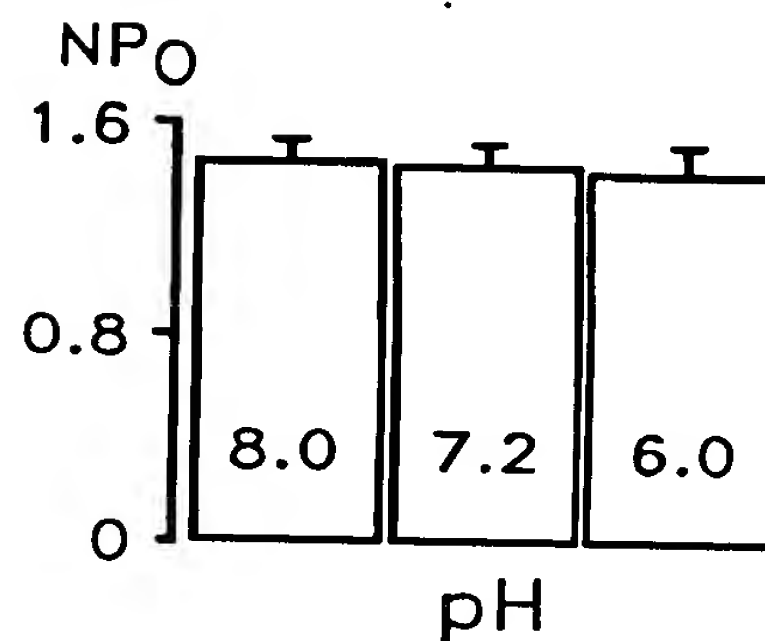


FIG. 6H

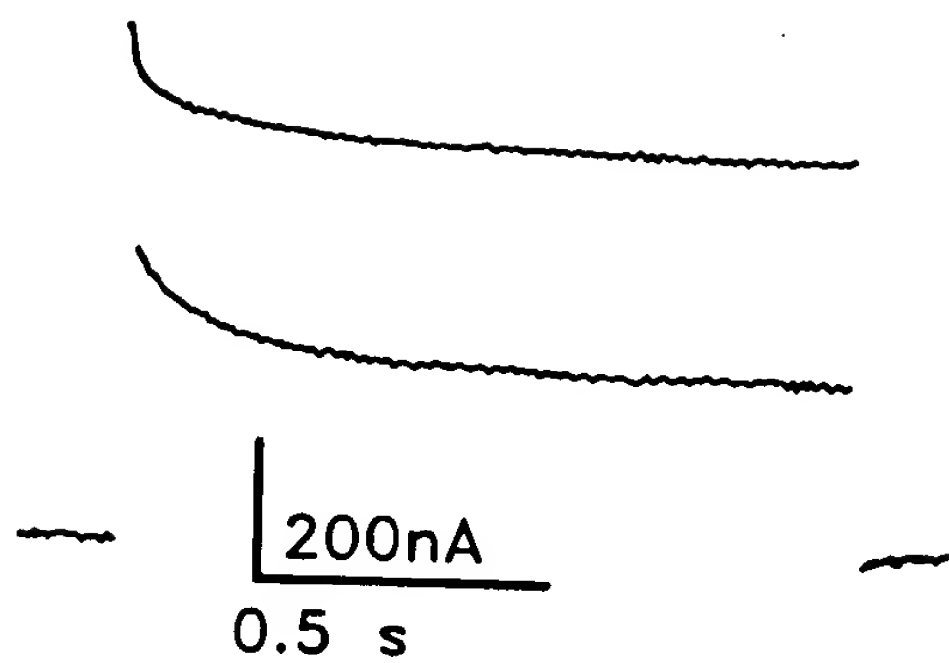


FIG. 7A

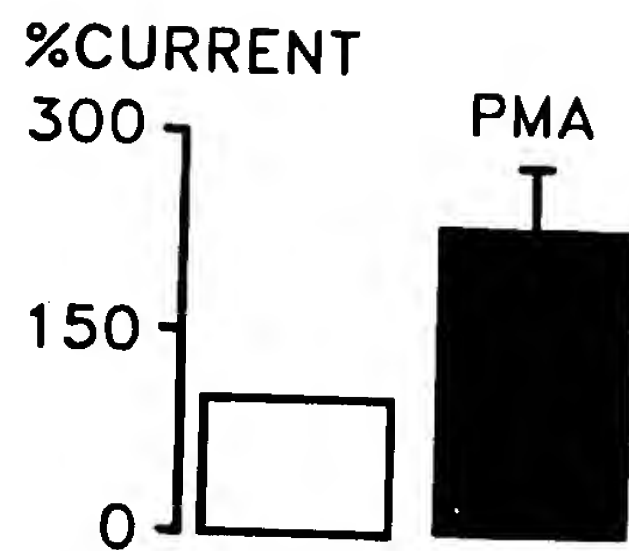


FIG. 7B

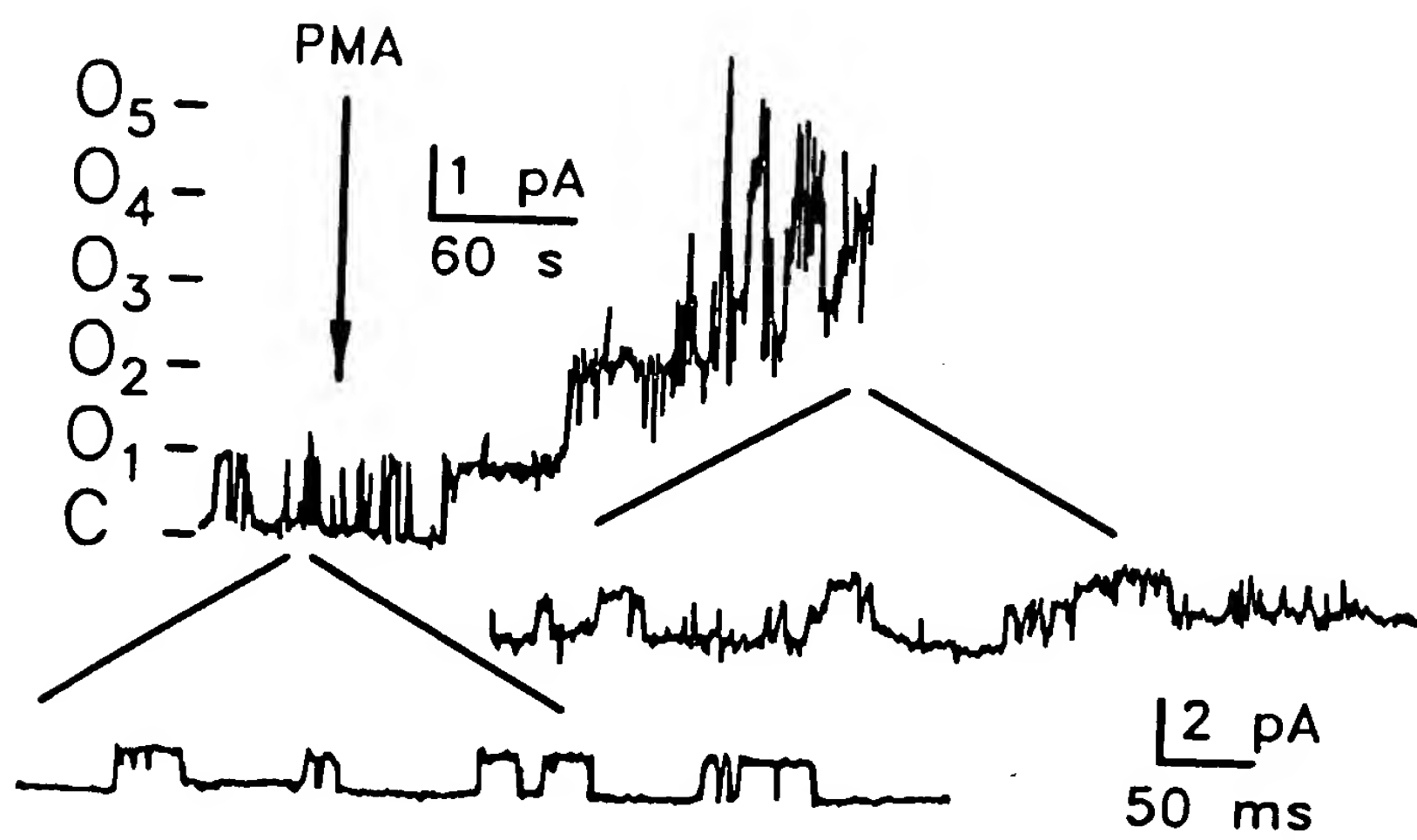


FIG. 7C

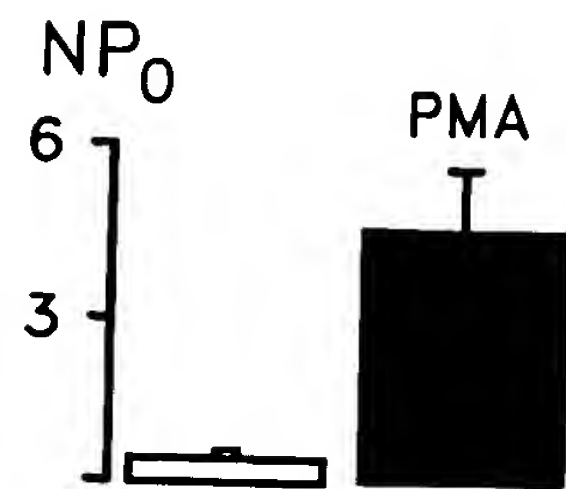


FIG. 7D

tgccctgcgcgatagcgggcgagcgagccatgccccagggcgccctccg -77
gggcagcagcagcggcgggcgggggccgatgcgcgggcgggggcgccggggggcgggcgggcgggcgggcg -1

ATG	AAG	CGG	CAG	AAC	GTG	CGC	ACG	CTG	GCG	CTC	ATC	GTG	TGC	ACC	TTC	ACC	TAC	CTG	57
M	K	R	Q	N	V	R	T	L	A	L	I	V	C	T	F	T	Y	L	19
			E	N	V	R	T	L	A	L	I	V	C	T	F	T	Y	L	
CTG	GTG	GGC	GCC	GCG	GTC	TTC	GAC	GCG	CTG	GAG	TCG	GAG	CCC	GAG	CTG	ATC	GAG	CGG	114
L	V	G	A	A	V	F	D	A	L	E	S	E	P	E	L	I	E	R	38
L	V	G	A	A	V	F	D	A	L	E	S	E	P	E	M	I	E	R	
CAG	CGG	CTG	GAG	CTG	CGG	CAG	CAG	GAG	CTG	CGG	GCG	CGC	TAC	AAC	CTC	AGC	CAG	GGC	171
Q	R	L	E	L	R	Q	Q	E	L	R	A	R	Y	N	L	S	Q	G	57
Q	R	L	E	L	R	Q	L	E	L	R	A	R	Y	N	L	S	E	G	
														*					
GGC	TAC	GAG	GAG	CTG	GAG	CGC	GTC	GTG	CTG	CGC	CTC	AAG	CCG	CAC	AAG	GCC	GGC	GTG	228
G	Y	E	E	L	E	R	V	V	L	R	L	K	P	H	K	A	G	V	76
G	Y	E	E	L	E	R	V	V	L	R	L	K	P	H	K	A	G	V	
CAG	TGG	CGC	TTC	GCC	GGC	TCC	TTC	TAC	TTC	GCC	ATC	ACC	GTC	ATC	ACC	ACC	ATC	GGC	285
Q	W	R	F	A	G	S	F	Y	F	A	I	T	V	I	T	T	I	G	95
Q	W	R	F	A	G	S	F	Y	F	A	I	T	V	I	T	T	I	G	
TAC	GGG	CAC	GCG	GCA	CCC	AGC	ACG	GAT	GGC	GGC	AAG	GTG	TTC	TGC	ATG	TTC	TAC	GCG	342
Y	G	H	A	A	P	S	T	D	G	G	K	V	F	C	M	F	Y	A	114
Y	G	H	A	A	P	S	T	D	G	G	K	V	F	C	M	F	Y	A	
CTG	CTG	GGC	ATC	CCG	CTC	ACG	CTC	GTC	ATG	TTC	CAG	AGC	CTG	GGC	GAG	CGC	ATC	AAC	399
L	L	G	I	P	L	T	L	V	M	F	Q	S	L	G	E	R	I	N	133
L	L	G	I	P	L	T	L	I	M	F	Q	S	L	G	E	R	I	N	
ACC	TTG	GTG	AGG	TAC	CTG	CTG	CAC	CGC	GCC	AAG	AAG	GGG	CTG	GGC	ATG	CGG	CGC	GCC	456
T	L	V	R	Y	L	L	H	R	A	K	K	G	L	G	M	R	R	A	152
T	E	V	R	Y	L	L	H	R	A	K	B	G	L	G	M	R	H	A	
GAC	GTG	TCC	ATG	GCC	AAC	ATG	GTG	CTC	ATC	GGC	TTC	TTC	TCG	TGC	ATC	AGC	ACG	CTG	513
D	V	S	M	A	N	M	V	L	I	G	F	F	S	C	I	S	T	L	171
E	V	S	M	A	N	M	V	L	I	G	F	V	S	C	I	S	T	L	
TGC	ATC	GGC	GCC	GCC	GCC	TTC	TCC	CAC	TAC	GAG	CAC	TGG	ACC	TTC	TTC	CAG	GCC	TAC	570
C	I	G	A	A	A	F	S	H	Y	E	H	W	T	F	F	Q	A	Y	190
C	I	G	A	A	A	F	S	Y	Y	E	B	W	T	F	F	Q	A	Y	
TAC	TAC	TGC	TTC	ATC	ACC	CTC	ACC	ACC	ATC	GGC	TTC	GGC	GAC	TAC	GTG	GCG	CTG	CAG	627
Y	Y	C	F	I	T	L	T	T	I	G	F	G	D	Y	V	A	L	Q	209
Y	Y	C	F	I	T	L	T	T	I	G	F	G	D	Y	V	A	L	Q	
AAG	GAC	CAG	GCC	CTG	CAG	ACG	CAG	CCG	CAG	TAC	GTG	GCC	TTC	AGC	TTC	GTC	TAC	ATC	684
K	D	Q	A	L	Q	T	Q	P	Q	Y	V	A	F	S	F	V	Y	I	228
K	D	Q	A	L	Q	T	Q	P	Q	Y	V	A	F	S	F	V	Y	I	
CTT	ACG	GGC	CTC	ACG	GTC	ATC	GGC	GCC	TTC	CTC	AAC	CTC	GTG	GTG	CTG	CGC	TTC	ATG	741
L	T	G	L	T	V	I	G	A	F	L	N	L	V	V	L	R	F	M	247
L	T	G	L	T	V	I	G	A	F	L	N	L	V	V	L	R	F	M	

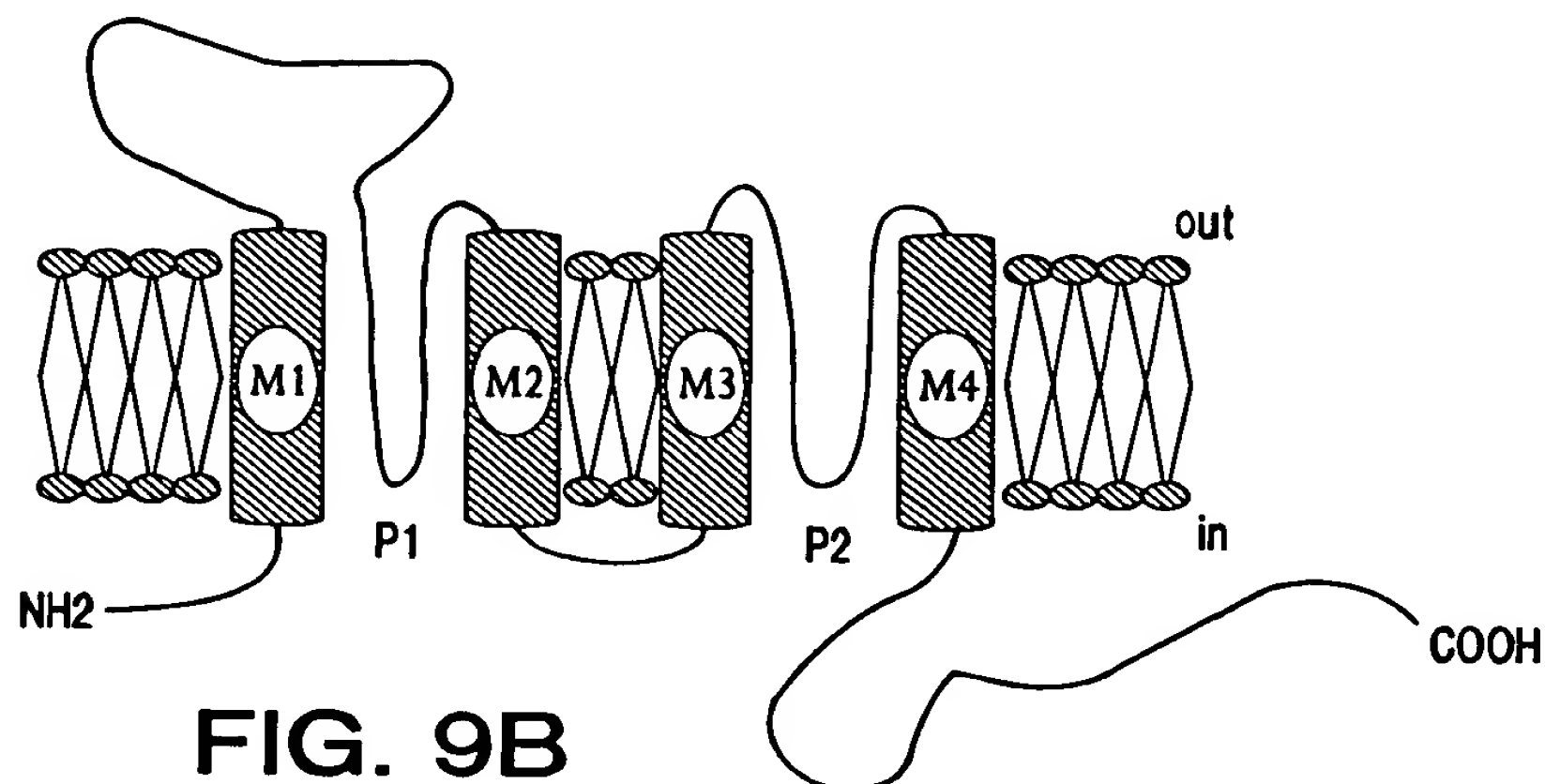
FIG. 8A

ACC	ATG	AAC	GCC	GAG	GAC	GAG	AAG	CGC	GAC	GCC	GAG	CAC	CGC	GCG	CTG	CTC	ACG	CGC	798
T	M	N	A	E	D	E	K	R	D	A	E	H	R	A	L	L	T	R	266
T	M	N	A	E	D	E	K	R	D	A	E	H	R	A	L	L	T	H	
AAC	GGG	CAG	GCG	GGC	GGC	GGC	GGA	GGG	GGT	GGC	AGC	GCG	CAC	ACT	ACG	GAC	ACC	GCC	855
N	G	Q	A	G	G	G	G	G	G	G	S	A	H	T	T	D	T	A	285
N	G	Q	A	V	G	L	G	G	L	S	C	L	S	G	S	L	G	D	
TCA	TCC	ACG	GCG	GCA	GCG	GGC	GGC	GGC	GGC	TTC	CGC	AAC	GTC	TAC	GCG	GAG	GTG	CTG	912
S	S	T	A	A	A	G	G	G	G	F	R	N	V	Y	A	E	V	L	304
VRPRDPV	TC	AA	A	A	G	GVGVGVGGS	G	F	R	N	V	Y	A	E	V	L			
CAC	TTC	CAG	TCC	ATG	TGC	TCG	TGC	CTG	TGG	TAC	AAG	AGC	CGC	GAG	AAG	CTG	CAG	TAC	969
H	F	Q	S	M	C	S	C	L	W	Y	K	S	R	E	K	L	Q	Y	323
H	F	Q	S	M	C	S	C	L	W	Y	K	S	R	E	K	L	Q	Y	
TCC	ATC	CCC	ATG	ATC	ATC	CCG	CGG	GAC	CTC	TCC	ACG	TCC	GAC	ACG	TGC	GTG	GAG	CAG	1026
S	I	P	M	I	I	P	R	D	L	S	T	S	D	T	C	V	E	Q	342
S	I	P	M	I	I	P	R	D	L	S	T	S	D	T	C	V	E	H	
AGC	CAC	TCG	TCG	CCG	GGA	GGG	GGC	GGC	CGC	TAC	AGC	GAC	ACG	CCC	TCG	CGA	CGC	TGC	1083
S	H	S	S	P	G	G	G	G	R	Y	S	D	T	P	S	R	R	C	361
S	H	S	S	P	G	G	G	G	R	Y	S	D	T	P	S	H	P	C	
CTG	TGC	AGC	GGG	GCG	CCA	CGC	TCC	GCC	ATC	AGC	TCG	GTG	TCC	ACG	GGT	CTG	CAC	AGC	1140
L	C	S	G	A	P	R	S	A	I	S	S	V	S	T	G	L	H	S	380
L	C	S	G	T	Q	R	S	A	I	S	S	V	S	T	G	L	H	S	
CTG	TCC	ACC	TTC	CGC	GGC	CTC	ATG	AAG	CGC	AGG	AGC	TCC	GTG	TGA	ctgccccgaggggacc				1200
L	S	T	F	R	G	L	M	K	R	R	S	S	V	*					395
L	A	A	F	R	G	L	M	K	R	R	S	S	V						
tggagcacctggggg	cgcgggg	cgggg	gacccct	gctggg	aggcc	aggagact	gcccc	tgtgc	cttct	gccc	agt								1276
ggaccccc	gcaca	atccct	caccact	ctcccc	cagc	cccccat	ctccg	actgt	gcct	gctt	gcacc	agccgg	ca						1352
ggaggcc	gggct	ctgagg	acccct	gggg	cccccat	cggag	ccct	gcaa	attcc	gagaa	atgt	gaa	act	tggt	gggg				1428
tcagg	gaggaa	aggc	aga	agct	ggg	agc	ctccct	ttccct	ttgaaa	atcta	aga	agct	ccc	agtc	ctc	agag	accc		1504
gctggt	accac	accccc	acct	tcgg	agggg	actt	catgt	tc	cggt	gtac	gttt	gc	atct	ct	tatt	tata	acct	ctgt	1580
gctagg	tctccc	acctt	ccct	tggt	tccaaa	agcc	aggg	gtgt	ctat	gtcca	agtc	acccc	tact	cag	cccc	actec			1656
cctt	cctcat	cccc	agct	gtgt	ctcc	aa	ctccct	tcgt	gttt	gtttt	gc	atgg	cttt	gc	agtt	atgg	agaa	agt	1732
gaa	accc	cagc	agtc	ccct	aa	agct	gg	tcccc	agaa	agc	agg	acag	aa	agg	aggg	acagg	cagg	cagg	1808
g	cg	agct	ggg	aggg	cagg	aggg	cag	cg	gctgt	cagt	ctgc	aga	atgg	gtc	gact	gg	aggt	tca	1884
cag	ccac	attt	ctcat	agc	aggt	agg	actt	cag	ctt	ccag	acact	gcc	ctt	taga	atct	gga	acaga	agact	1960
ctc	acc	ata	attg	ctg	ata	attac	ccact	ctt	aa	attt	gtc	gagt	gatt	ttt	tag	ccct	ctg	aaa	2036
cact	gat	tc	ctt	tg	gtct	cacaaa	acc	ctact	tag	gtc	atc	cagg	gc	agg	agtt	ctc	act	cccc	2112
ga	ata	ctg	agg	cc	tg	gac	aggt	ga	agt	gacc	agag	agca	aaa	agg	caa	aggg	gtgg	ggg	2188
ac	ct	gtat	tcc	ca	ac	actt	ttg	gag	gct	gag	gtt	gg	ag	gatt	gctt	gag	ccc	agga	2264
ac	at	agt	gag	ac	cc	atct	ctac	aaaa	ata	aaaa	att	a	acc	aggt	gt	gg	tgg	cac	2340
ctt	ggg	agg	ctg	aggt	ggg	agg	att	gtt	tg	ag	cc	tggg	aggt	tc	gag	gct	gt	ag	2416
ctcc	ag	cc	tgg	gtg	ac	aggg	ca	ag	ac	cc	ctgt	ctc	aaaa	aaaaaaaa					2465

FIG. 8B

	1	1	-----MLOS LAGSSCVR-----LVERHRS-----
	1	1	MAAPDILDPKSAAQNSKPRLSFSSKPTV LASRVESDSA
	1	1	-----MKR-----Q-NVR-----
			M1
TWIK-1	20	20	-----AWCFG-ELVLGALYLVEGAVVFSSVELPYEDLL
TREK-1	39	39	INVMKWKTVSTIFLVVLYLIGAAVFKALEQPOEISO
TASK	8	8	-----TLALVCTETYLLEVGAADFDALESEPELLE
TWIK-1	53	53	ROELRKLKRRFLEEHECLSEOOLEQELGRVLEASN YGV
TREK-1	77	77	RTTIVIQKQTFIAQHACVNSTELDELTOQQAANAG
TASK	38	38	RORLEERQOENRARNLSGG-YEELERVVLR LKPHKA
			P1
TWIK-1	91	91	SVLSNASG-NWNWDETSALFFASTVLSTFGYGHIPUS
TREK-1	115	115	IPLGNSSNOVSHNDLGSSFFFA GTVITTIGEGNISPT
TASK	75	75	-----VQ-NRFACSFYEA GTVITTIGYGHAPST
			M2
TWIK-1	128	128	DGGKAFCCIYSVIGIPETLLHLTAVVQRITVHVTR--R
TREK-1	153	153	DGGKIFCCIYALLGIPLDPLLAGVGDOLGTIFGKGIA
TASK	104	104	DGGKVECMYALLGIPLTLVMFOBLGERINTLVRY---
			M3
TWIK-1	164	164	PVLYFHIIRNGESKQVVAIVHAVLGGFVTVSCFFIPAA
TREK-1	191	191	KVEDTFIKWNYSQTKRIISTILPILFGCVLEFVAPAV
TASK	139	139	LLHRAKKGEGMRRADVSMANMVLIGFFFCISTLCICAA
			P2
TWIK-1	202	202	VFSVLEDDWNFLFSFYFCFISLSTIGLGDYVEGE-GYN
TREK-1	229	229	IFKHLEQ-NSALDATYFVITLTITIGFGDYVAG-GSU
TASK	177	177	AFSHYEH-ITFROAYYCFITLTITIGFGDYVALOKDQA
			M4
TWIK-1	239	239	OKERELYKIGITCYLLGLIAMLVVLETFEGEDHEEKKF
TREK-1	264	264	IEYLDTRYKPVYNEWILVGLAYFAAVLSMIGDWLRVYSK
TASK	214	214	LDTOPOQYVAESFVYILTGLTVIGAEELNLVVLRFMTMNA
TWIK-1	277	277	RKMFYVKKDKD-----
TREK-1	302	302	KTKEEVGEFR-----
TASK	252	252	EDEKRDAEHRALLTRNGQAGGGGGGSAHTTDTASSTA
TWIK-1	288	288	-----EDQVHIIEHDQLSFSSITDOAAGMK--
TREK-1	312	312	-----AHAAEWTA NVTAEEKETRRRLSVEI--
TASK	290	290	AAGGGGFRNVYA EVLHFQSMCSC LWYKSREK LQYSIPM
TWIK-1	313	313	---EDQKQNEPFVATQSSACVDGPANH-----
TREK-1	337	337	---YDKFQRATSVK RKLSAELAGNHNOELTPCMRTCL-
TASK	328	328	IIPRDLSTSDTCVEQSHSSPGGGGRYSDTPSRRCLCSG
TWIK-1	337	337	-----
TREK-1	371	371	-----
TASK	366	366	APRSAISSVSTGLHSLSTFRGLMKRRSSV

FIG. 9A



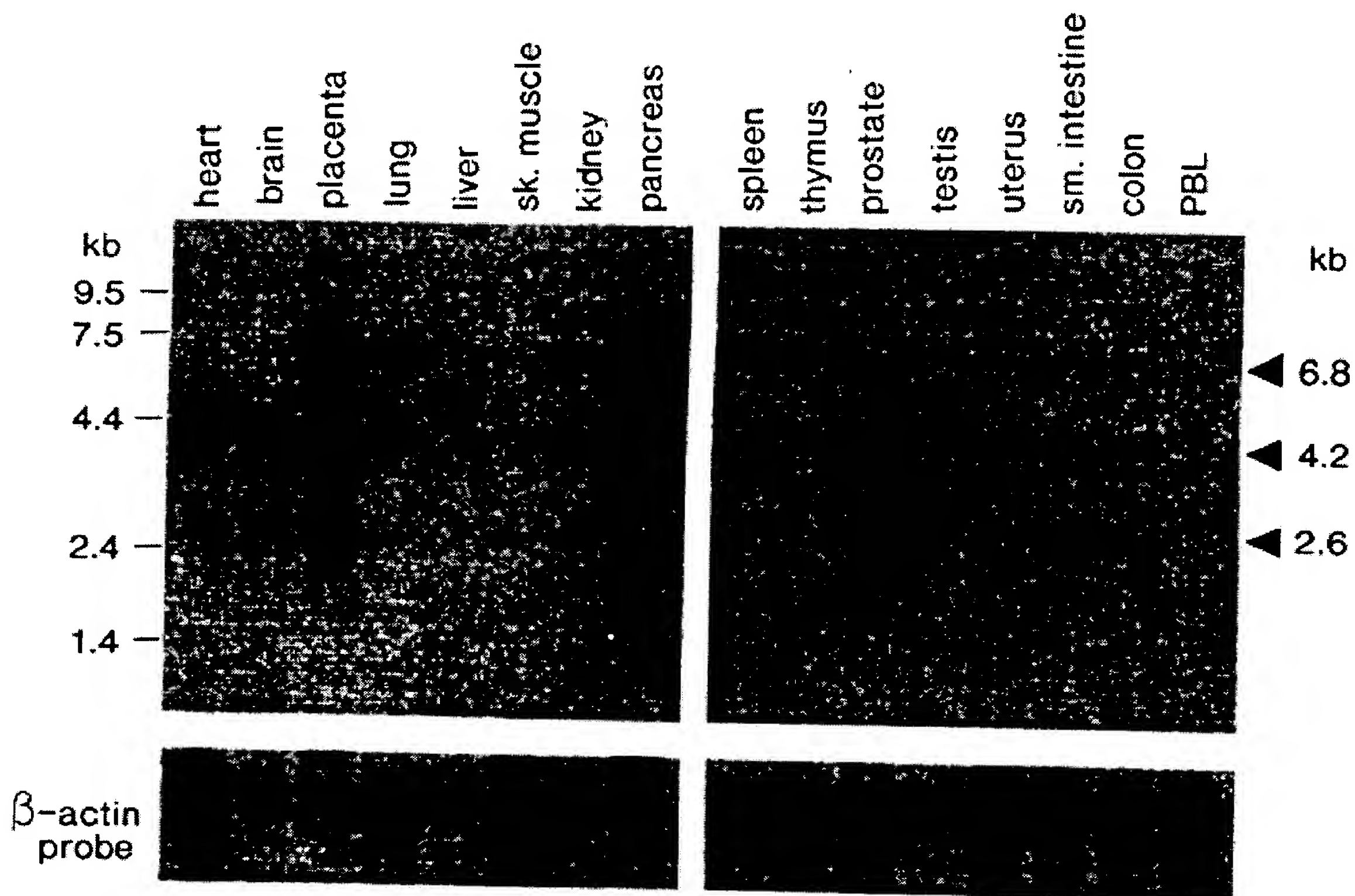


FIG. 10

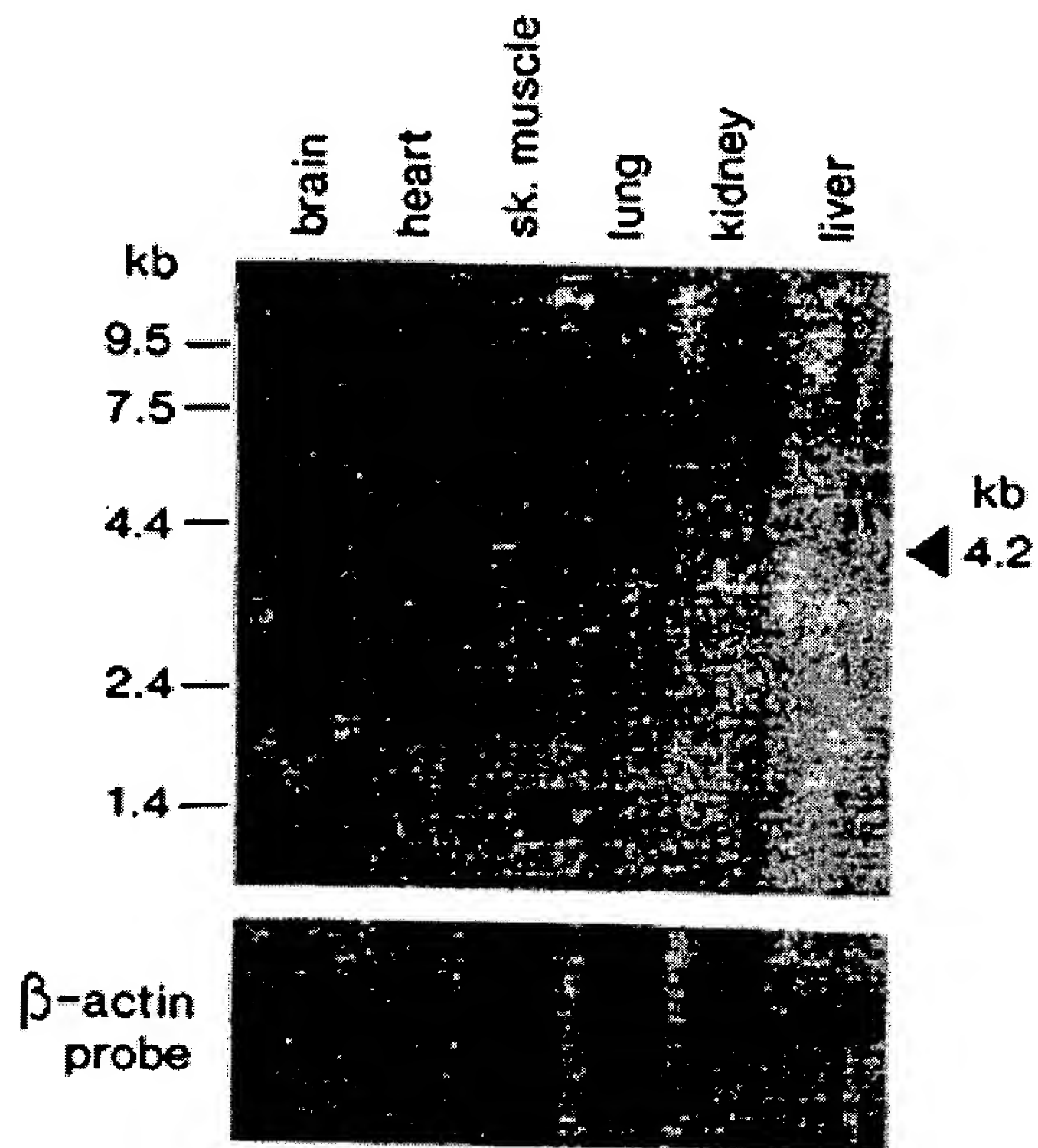


FIG. 11A

FIG. 11B

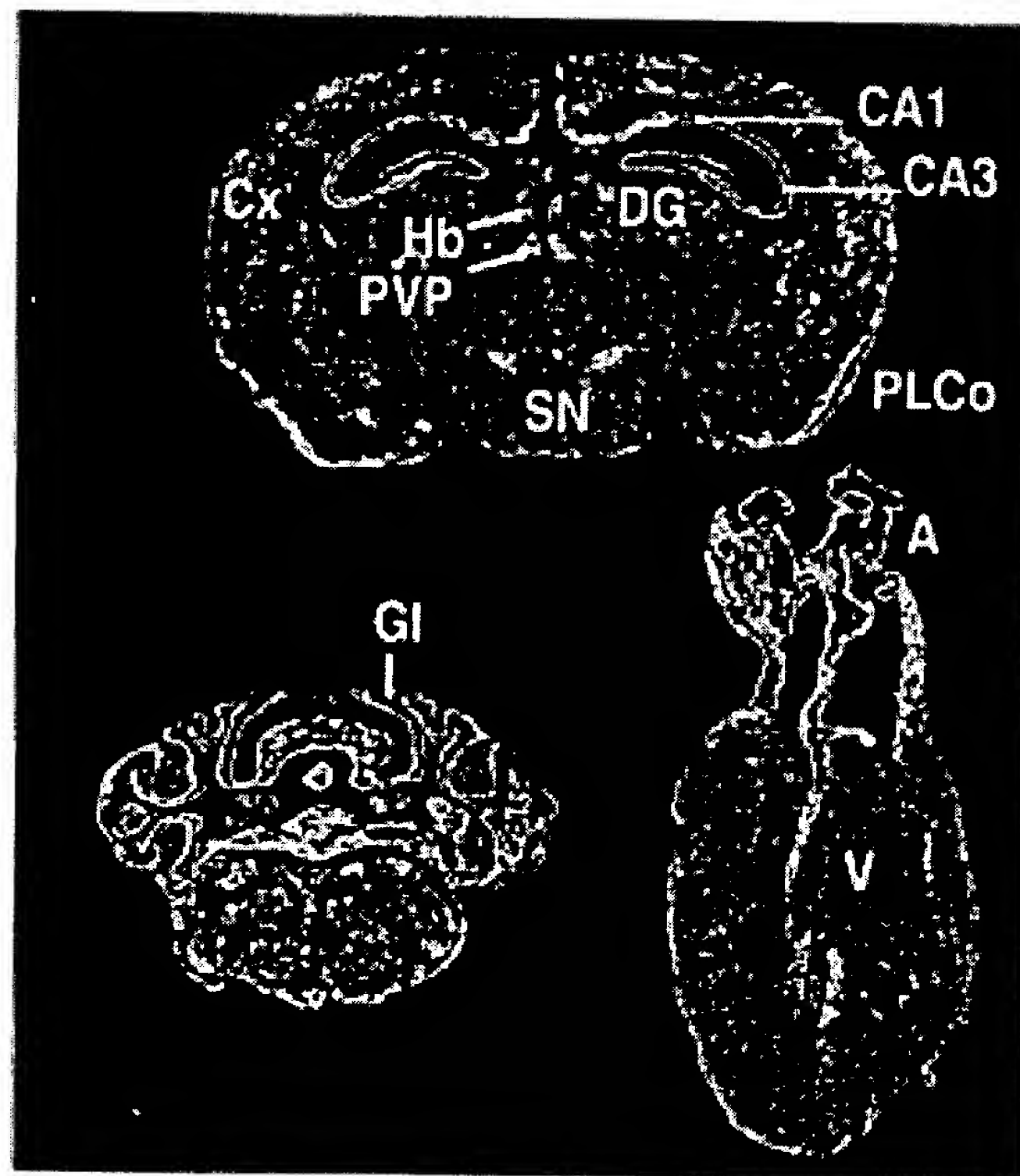


FIG. 11C

FIG. 11D

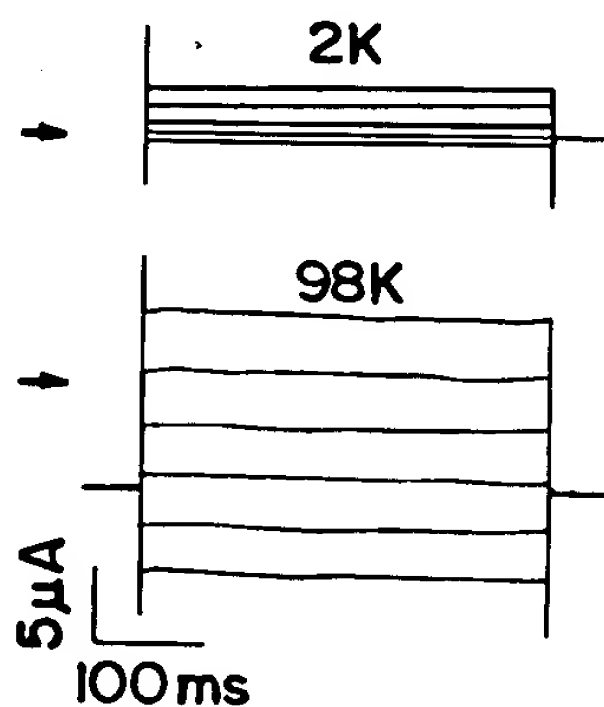


FIG. 12A

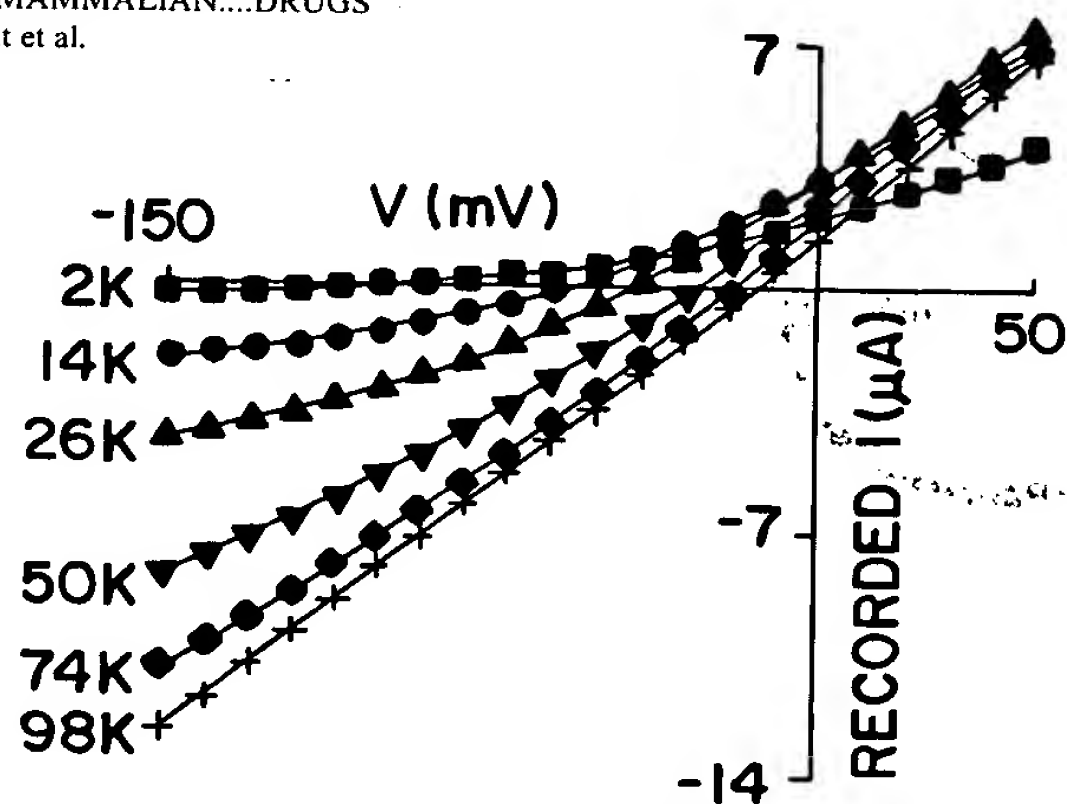


FIG. 12B

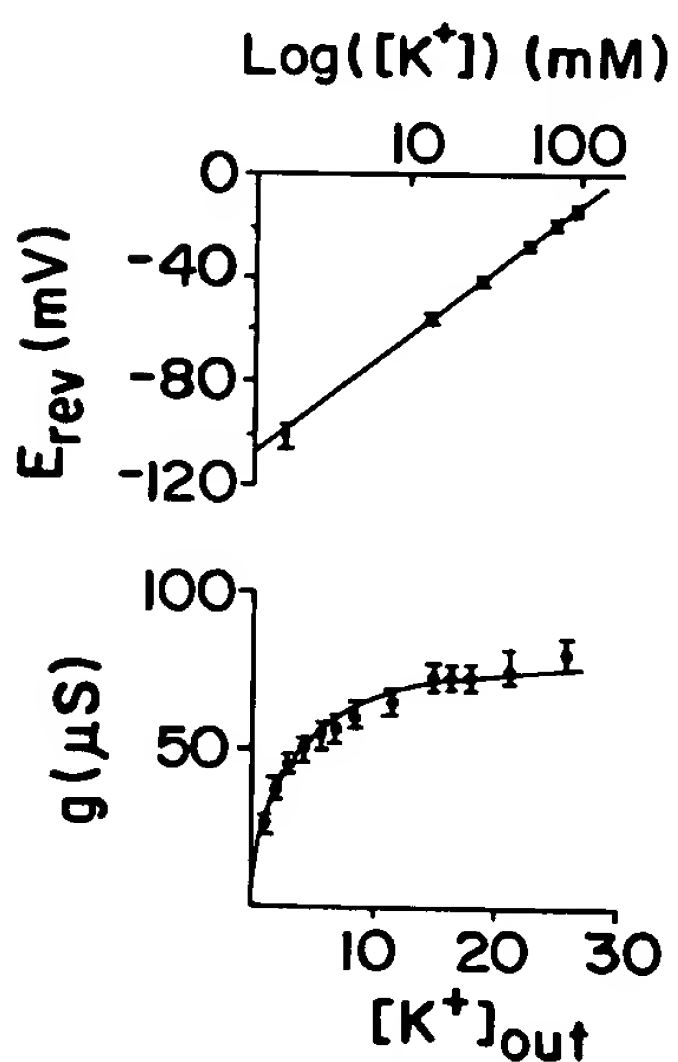


FIG. 12C

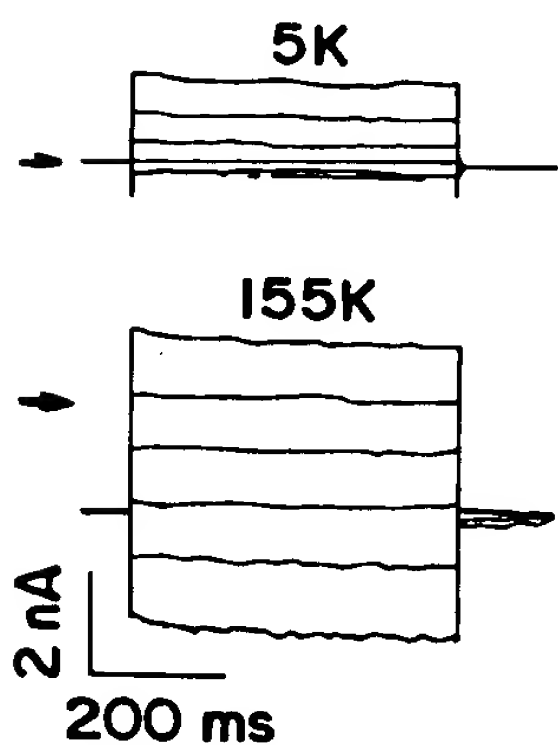


FIG. 12E

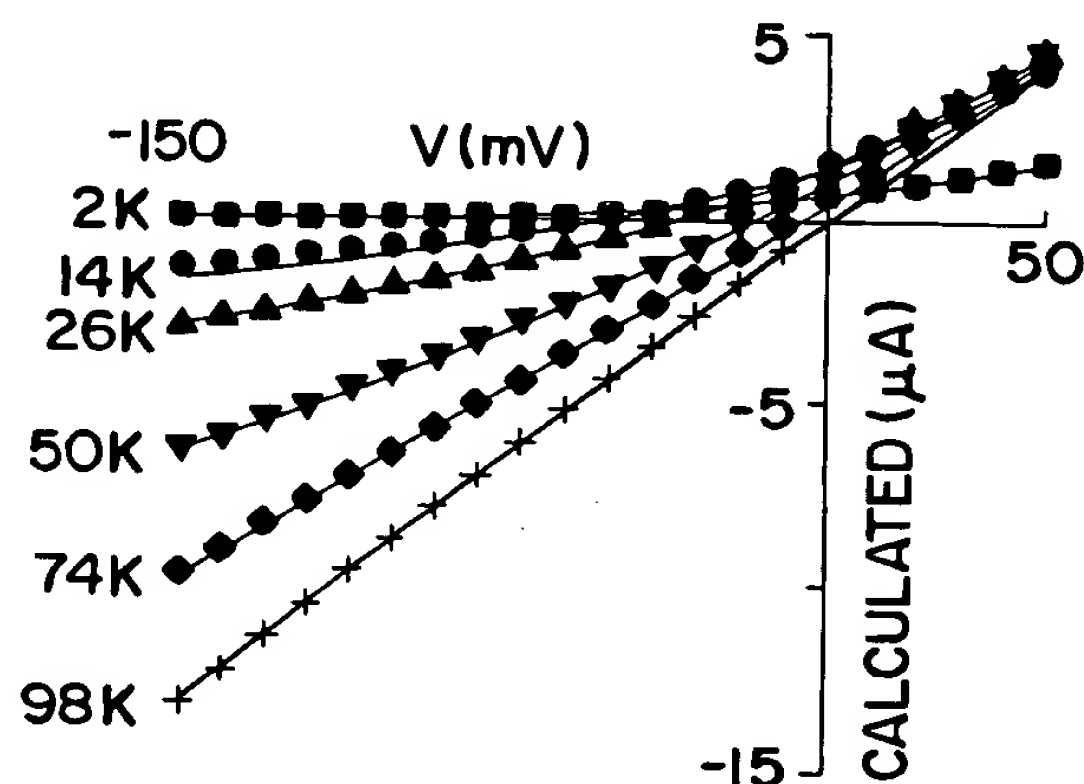


FIG. 12D

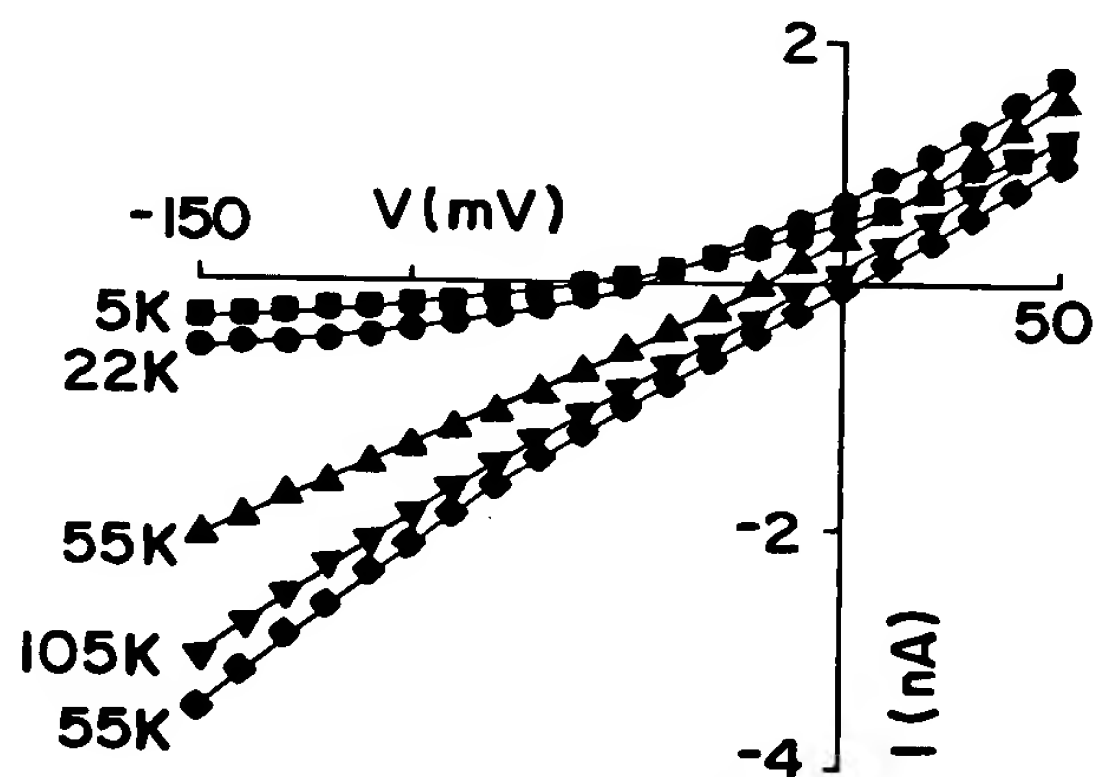


FIG. 12F

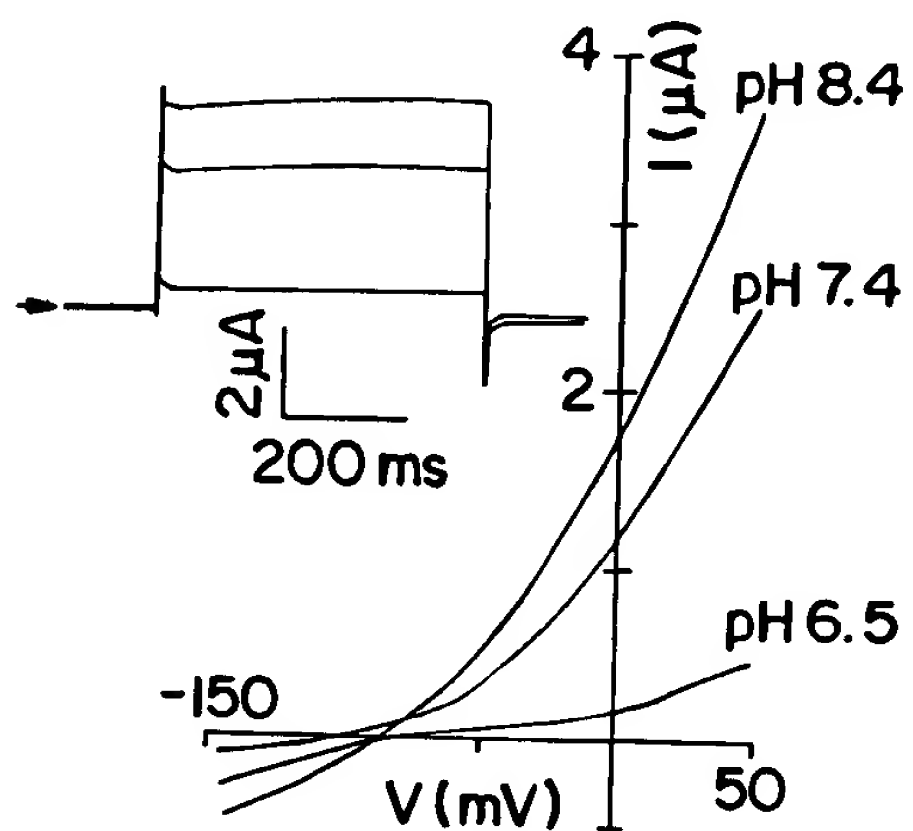


FIG. 13A

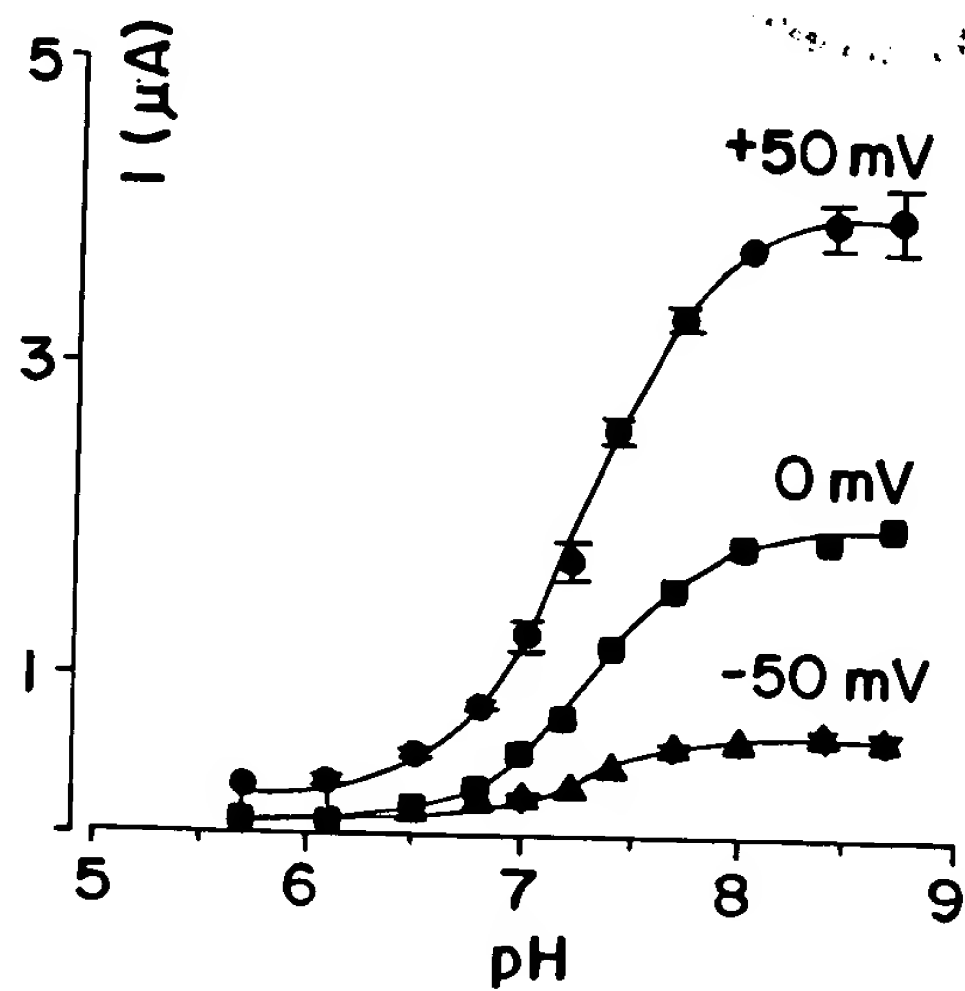


FIG. 13B

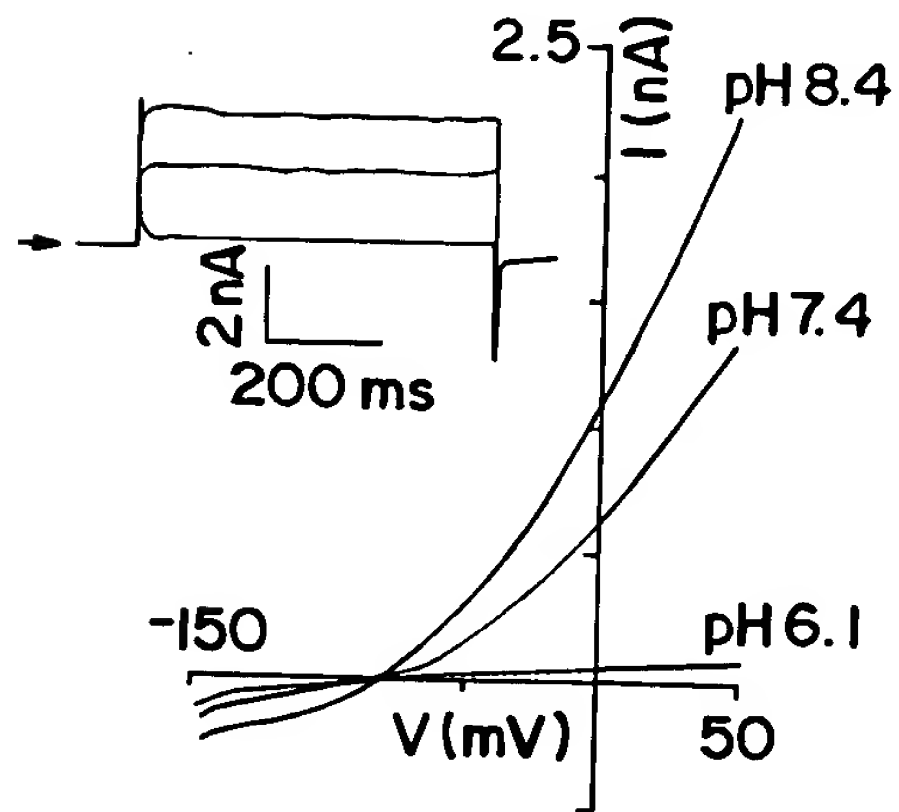


FIG. 13C

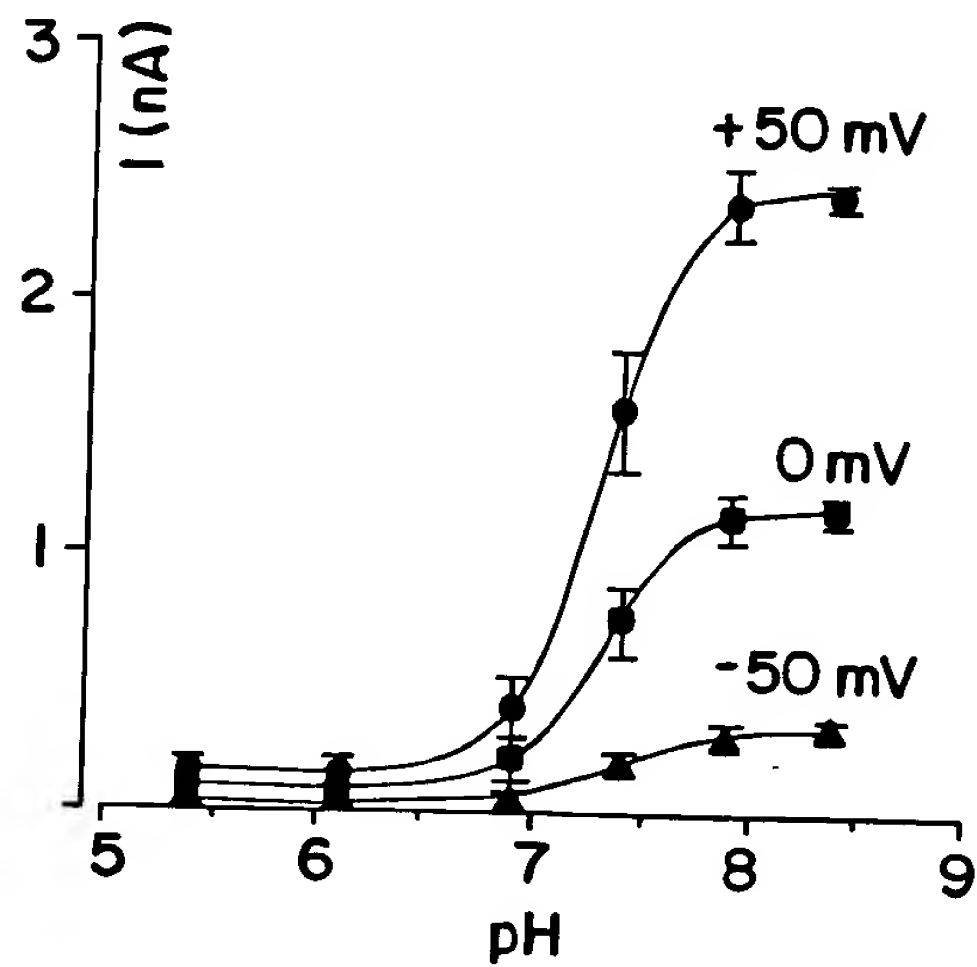


FIG. 13D